

Validation documentation
Drugs

HiperScan GmbH

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Introduction

The unequivocal proof of the identity of pharmaceutical raw materials based on a monograph or traditional alternative methods is work-intensive, time-intensive and economically often no longer makes sense. Near-infrared spectroscopy (NIR) provides a new means here. It enables relatively easy, fast and nonetheless safe identity testing via the preparation and evaluation of spectra.

The analysis system *Apo-Ident* was developed specially for pharmacy use. Pharmacists have the duty to check the identity of all raw materials for extemporaneous products in their pharmacies. This normally takes place based on the monographs for the respective substances in the European Pharmacopoeia. But also NIR spectroscopy is described in the European Pharmacopoeia as an identification method which, as opposed to the methods incorporated in the respective monographs, is approved for testing [1] (quotation translated)

with the prerequisite that the same results (“namely the determination of the identity” [2]), (quotation translated) are achieved as with the described methods and instruments.

The *Apo-Ident* analysis system serves to identify raw materials for prescriptions in the defined manner according to *ApBetrO* [Pharmacies Rules and Regulations] §§ 6 and 11 at pharmacies (NIR spectroscopy as an alternative testing method). *Apo-Ident* consists of three components:

- An *NIR spectrometer*, which records the spectra of non-preprocessed raw materials in a measuring glass in diffuse reflection or transfection.
- The *QuickStep* spectroscopy software controls the instrument and records the spectra and user inputs via a pharmacy-specific software plug-in. It also generates the test protocol for documentation of the testing and storage of the printout to be signed in the pharmacy.
- The software module *IdentModule* incorporates *reference databases*. The spectra from the *QuickStep* software are presented to it for evaluation.

NIR spectroscopy is a very powerful analytical method. It is also able to establish the identity of several chemical compounds and mixes in as far as an appropriate database (technically correct: a [chemometric model](#)) was created. Identity testing with *Apo-Ident* is a very safe, very fast and easy to operate analytical method for testing a large number of raw materials.

Context of this document

The suitability of the instrument, method and database is proven as follows:

- *NIR spectroscopy as a method for identity testing*: The *Ph. Eur.* [3] describes NIR spectroscopy in *Section 2.2.40* as an analytical method which is also suitable for the identification of raw materials. Therefore, validation of the method as such is not necessary.
- *Performance of the instrument*: The *Ph. Eur.* [3] furthermore describes the apparatus and the testing of its performance in *Section 2.2.40*. The document *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4] compares the implementation by *Apo-Ident* with this monograph in order to prove that *Apo-Ident* meets the specifications of the Pharmacopoeia. Each individual instrument delivered to a pharmacy is qualified in accordance with the tests described in “*Control of Instrument Performance*”. In this test, the unit consisting of analysis instrument hardware and the *QuickStep* spectroscopy software is assessed. The result is documented in a test protocol which is kept at the pharmacy.
- *Validation of the database* is documented separately for each substance class. The report at hand documents the substance class *Drugs*.

The *Arbeitsgemeinschaft der Pharmazieräte Deutschlands (APD)* [Working Group of German Pharmacy Inspectors] has clarified the following in its resolution dated October 16, 2013 ([5], quotation translated):

NIR is a testing method incorporated in the Pharmacopoeia. The testing quality depends on the quality of the database stored. The APD views the use of NIR instruments in case of ensured validation of the databases used in conjunction with it as one of several options for identity testing.

The APD defined more precisely ([6], quotation translated) on October 1, 2014:

The use of near-infrared is a recognised testing method according to Ph. Eur. 8. For the use of NIR instruments in pharmacies for testing the identity of raw materials, sufficient and verifiable validation of the instrument used is required. The quality of the database stored by the instrument manufacturer is decisive for quality. Batch-specific differences with the same original substances must be taken into account if present.

So NIR is basically suitable. The validity of the reference database is proven with the existing validation documentation.

Validity scope of this document

This validation documentation describes the results of the validation of the reference database for the substance class *Drugs*. Validation documentation is created for each published version of the reference database for all substance classes incorporated.

The reference database is incorporated in the software module *IdentModule*. During identification testing with *Apo-Ident*, spectra which are used for evaluation purposes are presented to it by the *QuickStep* software. In the same manner, the *IdentModule* is presented all validation spectra successively during the validation runs for evaluation purposes. The *IdentModule* responds respectively (without taking the initial assumption into account) with the identified substance or rejects it as unknown. The correctness of this response is checked for each possible initial assumption and counted.

The results are summarised for each substance and reproduced in this document.

- The database is exclusively established from spectra which have been recorded by *HiperScan GmbH* for traceable samples in pharmaceutical quality.
 - The samples are procured via typical pharmacy sources (*DAC III.2.: Bezugsquellennachweis für Rezepturbestandteile [reference source for prescription components]* [7]).
 - A valid manufacturer's certificate exists (content, purity and identity of the batch).
 - The identity was confirmed by a certified test laboratory or *HiperScan GmbH*.
- Each version of the reference database (every update) is validated in-full.
 - In three separately evaluated validation runs, calibration spectra, spectra from independent samples and spectra from independent field samples (described further below as *Type A*, *B* or *C*) are presented to the *IdentModule* for evaluation.
 - Here, no single *false positive* result may arise.
 - Here, the various substance classes are also tested for reciprocal rejection, where this is objectively justified (see *Summary section*).
- For each individual substance, the unambiguous identifiability with *Apo-Ident* and the demarkation against all other database substances is proven.

Validation concept

Chemometrics is a statistical technique for the extraction of relevant chemical information from spectra. In mathematics, this method is described as *multivariate data analysis*. Chemometrics proceeds here as follows:

1. Collection of spectra for the *calibration sample*. The results (identities) of the calibration sample must be known. The calibration samples must be representative for the samples which are to be evaluated later. Therefore, they must take the various possible (physical) compositions into account. (Therefore, sourcing calibration samples for NIR from the specialist trade is superior to the use of CRS reference substances.)

2. The first mathematical step is *calibration*. Here, the **chemometric model** is calculated from the *calibration sample spectra* (**reference spectra**) and limits as well as some parameters are stipulated. The chemometric model is used later to calculate the analysis result (*prediction*).
3. Collection of further spectra for the *validation sample* which should be independent of the *calibration sample*. The results (identities) of the *validation sample* must also be known. The textbook suggests a random sample with a normal scope of 25 % to 50 % of the *calibration sample* [8].
4. The second technical data step is *validation*. Here, the **chemometric model** created is evaluated based on the spectra of the *validation samples*. As validation parameters for the identification, the *Ph. Eur. Section 2.2.40* [3] specifies the **specificity** and **robustness**.

The validation step according to the textbook has the target of estimating the performance capability of the model created based on a random sample. In order to achieve the best possible precision, attention is paid to the calibration sample. In the field of pharmaceuticals, the safety of the method has priority. In order to be able to **validate** the model within the regulatory scope, the validation step must include probative force. For this purpose, the validation sample must be *representative and complete* in order to enable the testing of all cases.

A *sufficient number of batches* must be secured for validation because validation finally proves whether the number of batches in calibration suffices.

Each substance is validated individually. The validation results are documented per substance in this document. Moreover, the documents show how many and which batches have been used for creating the model or model validation.

At least one certificate is taken in for each substance from an accredited test laboratory for the independent testing of identity of the sample. The identification number of the corresponding test certificate is listed in the report, enabling traceability of a substance tested according to the monographs in the Pharmacopoeia.

Model creation procedure and validation runs

The safety of the **chemometric models** is guaranteed by several measures during model creation, of which the validation step is the final one. Normally, the procedure is as follows. It is in particular valid for the active pharmaceutical ingredients (APIs) *solid API excipients, liquid/semi-solid API excipients (with a test certificate), narcotics - solid medicinal substances and drugs*. If, for individual substance classes, variations are required, they are depicted in the section **Particularities of individual substance classes**.

1. Collecting the reference spectra (calibration sample)

- a) Procurement of the samples from the same sources from which pharmacies source their raw material for compounding (Caelo, Fagron, Euro-OTC, ..., see also *DAC III.2. Bezugsquellen-nachweis für Rezepturbestandteile* [Sources of supply for compounding] [7]).
- b) Testing the suitability according to *ApBetrO* [Pharmacies Rules and Regulations] §§ 6, 11, that is to say the availability of a valid manufacturer certificates via identity, purity and contents of the batch.
- c) Recording standard 40 spectra of the sample in different positions, as a standard on four instruments. Here, handling and presentation of the samples as later in the pharmacy.
- d) Visual checking for anomalies in the spectra. In case of indications of measurement errors, measurement must be repeated. If a signature is missing in the spectrum, the substance may be excluded from the start as not promising (the spectra are nonetheless entered in the database validation as independent *Type B* spectra).
- e) Testing identity. For each substance, a certificate of correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the respective following substance page of this validation documentation the **Mahalanobis distance** to this reference sample is specified as well

as the *Mahalanobis distance* to the next non-identical substance. Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

HiperScan GmbH cooperates with some suppliers as follows: the raw materials supplier takes a sufficiently large sample in his incoming goods area so that part of it can be used for recording the NIR spectra. The remainder of the sample goes to analytics for market approval. The manufacturer's batch certificate emerges from these identity, contents and purity tests, which consequently also prove the correct identity of the NIR reference sample. Therefore, the NIR spectra are suitable for structuring the database (*Type A*) and can also optionally be used for validation (*Type B*). The samples which this applies to are marked in the validation report with a footnote.

- f) If the identity of the new sample is proven, it is declared as a reference sample and the spectra are approved for structuring the database.

2. Generating the chemometric models (calibration)

- a) Determination of the transformation matrix from the reference spectra using variance maximisation [8, 9]. (All reference spectra are always included, even if only a few spectra are added for an update.) All reference spectra receive the same data pre-treatment, which is also later applied to all measurement spectra in the field (in the pharmacies).
- b) Checking that the number of principal components used is still sufficient.
- c) Calculating the limits for each substance from the spread of the reference spectra. The calculation regulation is identical for each substance in a substance class.
- d) Checking the distances between the limits of the separable substances: the distance matrix incorporates the *Mahalanobis distances* from each substance to all the others. If a distance is less than 10, both two substances must be declared as inseparable or *both two* must be removed from the database. (The spectra of removed substances remain as independent *Type B* spectra in the validation.)
- e) Testing the model based on the reference spectra. If *false positive* results arise, you must proceed as in the case of *Mahalanobis distances* which are too small.
- f) If chemometric models are available for all substance classes which meet both criteria (distance matrix and no *false positives*), they are joined together with the evaluation algorithms as an *IdentModule* and encrypted. This unit can no longer be changed. Its overall function is tested by validation.

3. Set of validation spectra (validation samples)

The following is provided for validation:

- a) *Type A*: The reference spectra = calibration spectra from which the database was established. These also include spectra from substances which the *chemometric model* should not identify, but were also recorded during generation in order to increase selectivity. (As a result, the model "learns" to differentiate from other substances which are actually unknown to it.)
- b) *Type B*: Spectra from independent samples not included in the generation of the respective model received but were measured by *HiperScan GmbH*. These also include reference spectra from other substance classes and spectra which are not declared as reference spectra.
- c) *Type C*: Spectra from independent field samples. These measurements were recorded under normal everyday conditions by pharmacy staff. The spectra belong both to substances of the substance class to be examined and to substances from different classes.

All manufacturers' batches from which spectra flow into the validation are listed by substance in this document: for substances included in the substance class *Drugs* in the respective validation reports; otherwise in attachments *A*, *B* and *C*.

Furthermore remains valid: validation spectra may only be removed if a spectrum error can be proven. Here, the spectra are not deleted, but instead placed on a *blacklist* incorporating the reason, date and initials in the commentary.

The section *Particularities of individual substance classes* treats the other substance classes from which *Type B* and *Type C* spectra are cited for validation purposes.

4. Validation runs and approval

- a) Validation spectra are transferred holistically to the *IdentModule* for evaluation in the same way as the spectroscopy software *QuickStep* transfers measured spectra.
- b) Following the provision of each spectrum, the *IdentModule* responds as to whether it has recognised a substance and which substance was recognised.
- c) The correctness of this response is checked for each possible initial assumption (each measurable substance with the substance class) and counted according to *true negative*, *false negative*, *true positive* and *false positive*. These figures are provided for each substance and additionally in the section *Summary*, separated according to types *A*, *B* and *C*.
- d) No *false positive* results whatsoever are permissible.
- e) If the criterion is also met for all substance classes, the *IdentModule* is approved.

Particularities of individual substance classes

Basically, *HiperScan GmbH* procures and tests the manufacturer's certificate for the batch, commissions external testing of the identity of the sample or carries it out independently and stores the certificates. As described, this process is established for the Pharmacopoeia substances, that is to say for substance classes *APIs & excipients, solid*, *APIs & excipients, liquid/semi-solid (with analysis certificate)*, *Narcotic substances, liquid/semi-solid* and *Drugs*. Therefore, *HiperScan GmbH* is able to furnish proof of the identity of the reference samples. In case of manufacturer-specific substance classes and others, individual steps are organised differently in-part:

The substance class **APIs & excipients, liquid/semi-solid (other)** (often described as cosmetics) incorporates substances for which no specification of the requirements of the pharmaceutical quality is determined, neither in a Pharmacopoeia monograph, a DAC/NRF monograph nor via a manufacturer's specification. Consequently, neither the identity nor contents can be tested independently. No certificates whatsoever exist for the reference samples. So here, merely the matching of the sample with former samples of this product is established and confusion with the other substances is ruled-out. (If the manufacturer of such a substance prepares a specification, determines testing methods and provides manufacturer's certificates in accordance with *ApBetro* [Pharmacies Rules and Regulations] §§ 6, 11, *HiperScan GmbH* can assign the substance to the substance class *APIs & excipients, liquid/semi-solid (with analysis certificate)* again in the future).

Substance class **HCK – nutritional supplements (Hepart)** contains the HCK micro-nutrients from the Swiss company *Hepart AG*. *HiperScan GmbH* receives the reference samples directly from the manufacturer. For each reference sample, *HiperScan GmbH* also receives manufacturer's certificates and keeps these. New checking of the identity of the reference sample is not carried out by *HiperScan GmbH*. The identity of the reference samples is therefore documented by *Hepart AG*. The spectra of all batches provided by *Hepart AG* are recorded by *HiperScan GmbH* and entered in the database.

Also, the substance classes with **TCM – Granulated herbal extracts** are separated supplier-specifically. The granulates from the suppliers *HerbaSinica*, *PhytoComm* and *China-Medica* are hardly comparable with each other due to their spectra, because extracts of respectively different drug batches with different carrier materials are granulated. The spectra for all batches from these suppliers are recorded by *HiperScan GmbH* and entered in the respective database. The suppliers organise the respective tests themselves and keep the test certificates. The process implemented with *HerbaSinica* is a particularity: The reference samples are sent to a test laboratory which determines the identity of the sample and sends the container to *HiperScan GmbH* if the result is positive.

A new evaluation option was created for the class *TCM – Granulated herbal extracts (PhytoComm)* with the update 2016-01. As the risks are considerably fewer than those from chemical agents, the

pharmacist can specify a reasonable criterion for the *specificity* in accordance with internal risk estimation. The database for this is created without taking safety distances into account and no criterion is determined in advance for the *specificity*. Instead, the *specificity* for testing the identity with this concrete substance is calculated in the validation for each substance and provided with the measurement result. The pharmacist then judges himself whether this safety is reasonable with regard to the risk of the substance.

Additionally, a statistical forecast is provided for the *specificity* which is determined according to the *Rule of Three* [10, 11]. For this forecast, it is assumed that there would have been three wrong results more and is provided with a lower limit for *specificity*. This value has a special meaning if a *specificity* of 100 % is achieved for a substance during validation. In this case, the lower limit allows conclusions regarding the scale of existing safety for which with an endless number of validation spectra a value of less than 100 % is to be assumed.

If, for example 14000 spectra not belonging to the substance are presented and no *false positive* classification is made, a hypothetical number of three *false positive* results is assumed (*Rule of Three* [10, 11]) and the *specificity* is defined with 100.0000 % (> 99.9786 %). Here, it applies that the higher the number of validation spectra which form the statistical basis, the better the *specificity* calculated via the lower *specificity* limit will be approximated.

The positive result of the identity test using *Apo-Ident* establishes that the sample spectrum is in accordance with a batch of the specified granulate from this supplier, whereby all useable batches from the supplier are known.

Significance of testing with *Apo-Ident*

The analysis result is determined using sophisticated statistical methods according to state-of-the-art science and technology. Chemical and pharmaceutical knowledge is applied for the selection of the samples from which the calibration spectra and validation spectra are recorded. Otherwise it does not influence the further steps of model creation.

Verbally, the statement of the analysis result can be expressed as follows. Here “*the spectra match*” means that the criteria *Mahalanobis distance*, *outlier analysis* and *correlation* are met as shown in *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]. “The spectra do not match”, on the other hand, means that at least the criterion *Mahalanobis distance* is not met.

The positive analysis result “*was identified as ...*” is very meaningful because both the quantity of substances to be taken into account and the number of underlying samples is very comprehensive.

1. The spectrum of the sample measured matches spectra of the defined substance.
2. The spectrum of the sample measured does not match any spectrum of any other substance in this substance class. Therefore, all other substances can be clearly ruled-out.
3. As the spectra from other substance classes were used for validation, it is proven that no spectrum of one of these other substances matches the defined substance. (All substance classes with which a spectrum comparison is possible and makes sense are used for validation. This is documented for each substance class in the section *Summary*.)
4. If the defined substance belongs to a *substance group* which in itself is not clearly separable with *Apo-Ident*, matching with the spectra of one or several substances in this group is confirmed. Which of these substances it actually is cannot be determined clearly. All other substances are excluded analogous to 2 and 3.

On the other hand, a negative analysis result “*was not identified as ...*” means:

1. The substance offered could not be recognised based on the spectrum of this sample.
2. The identity of this sample is not confirmed.
3. Testing must be repeated in accordance with the specifications of the Pharmacopoeia.

Conclusion

NIR spectroscopy is a testing method incorporated in the Pharmacopoeia. In case of successful database validation, it is a possible method for identity testing [5]. *Apo-Ident* meets the criteria of the *European Pharmacopeia* as a near-infrared spectrometer and proves the validity of the reference database with the existing validation documentation. This means that *Apo-Ident* can be used as an alternative testing method for testing raw materials at pharmacies.

Explanation of terminology

The following section serves to explain or define specialist terminology which is required in order to understand this document. If necessary, definitions for the analysis system *Apo-Ident* are defined more precisely.

The term database is used in this document exactly as in the *Ph. Eur. Section 2.2.40* [3] synonymous with [chemometric model](#). In order to differentiate the databases which are relatively independent of each other, *HiperScan GmbH* frequently also uses the term [substance class](#) (primarily in the plural). On the other hand, the spectra used to structure the database are termed spectrum collection and not database.

Substance classes are units of the organisational structure of the *IdentModule*. The substance classes are substance [databases](#) which are also broadly independently subscribable. On the one hand, the liquid and semi-solid substances are separated from the solid powders because they are measured against different references and therefore the spectra cannot be compared. On the other hand, for example the Pharmacopoeia substances are kept separated from the manufacturer-specific databases for TCM (traditional Chinese medicine) raw materials.

The individual substance classes need only be limited against each other in-part. Often, no risk of confusion exists because they can only be procured from different sources. On the other hand, in several cases we handle substances which need not be distinguished. For example, *Huang Qi* granulate from the company *HerbaSinica* neither needs to be delimited from *Huang Qi* granulate from the company *PhytoComm* nor is matching required. Respectively one single [chemometric model](#) is behind a substance class. (Even if several reciprocally secured chemometric models would be permissible.) The terms *substance class*, *chemometric model* and *databases* are mostly used here as synonyms.

A substance group respectively summarises all the substances within a [substance class](#) which cannot safely be distinguished from one another based on their NIR spectra. However, all the other substances in the database can be excluded.

The formation of subgroups is mentioned in the *Ph. Eur. Section 2.2.40* [3]. In this manner, technical restrictions in case of extensive databases can be avoided and it is possible to prepare individual subgroups with different spectrum pre-treatment. Validation of the subgroups against each other is required. *HiperScan GmbH* has solved these technical restrictions and doesn't use any subgroups within a substance class any longer.

Principal component analysis (PCA) [8, 9] is a multivariate statistics process or multivariate data analysis. It serves to structure, simplify and illustrate comprehensive data records by describing a large number of statistical variables by describing a lower number of linear combinations (the *principal components*) which are as significant as possible. In the *Apo-Ident IdentModule*, *PCA* is used to evaluate the recorded spectrum data (corresponding with *Ph. Eur. 2.2.40* [3]).

The term validation is defined in both relevant contexts here with different (even if related) meanings.

Within the sense of the expert discipline of *chemometrics*, validation is a process step when creating a [chemometric model](#): after a transformation matrix, limits and various parameters have been calculated or determined from a set of reference spectra during the course of the calibration step [8, 9], the validation step determines the performance capability of the model (selectivity, precision, ...) based on the validation spectra. Normally, random sampling is planned here. In order for the validation to gain strength of proof, the validation spectrum set must be selected with an appropriately wide scope (*representative* and *complete*). The terms *validation run* and *validation step* always actually mean the process step in this sense.

In the regulatory sense (of pharmaceutical production), validation is the documented proof that a process or system meets the previously specified requirements reproducibly when applied practi-

cally. In this sense, the *Apo-Ident* databases only become validated databases with the validation documentation, which this document is part of.

The *European Pharmacopeia* uses the term validation in *Section 2.2.40* within the sense of the specialist discipline of *chemometrics* [3].

The robustness of a process is the property of only being influenced by environmental fluctuations (e.g. temperature or humidity) a little. A method is robust if the environmental conditions do not or hardly falsify the final result.

The specificity of a classification (of a [chemometric model](#)) is the [true negative rate](#).

The recognition rate (also sensitivity) is the [true positive rate](#). It defines in how many percent of cases a correctly set up substance is actually confirmed.

The true negative rate describes the share of spectra correctly classified as non-identity during validation. This is equivalent to correct classification. It means that a substance *A* within identity checking as substance *B* is judged as “*not identified*”. The *true negative rate* is equivalent to the conditional frequency

$$h(\text{rejected}|\text{genuinely no identity}) = \frac{r_n}{r_n + f_p}$$

with r_n as the total number of *true negative* classifications and f_p as the total number of *false positive* classifications. For successful validation of an *IdentModule*, all spectra presented belonging to this category must be classified as *not in accordance*.

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of this number. The weight of each spectrum of a substance/substance group *i* therefore results as

$$w_i = \frac{1}{n_i}$$

with n_i number of spectra in this substance/substance group. This weighting ensures that the overall result cannot be enhanced by adding especially large numbers of spectra from easily separable substances.

The true positive rate describes the share of spectra correctly classified as identity during validation. This is equivalent to correct classification. It means that a substance *A* within identity checking as substance *A* is judged as “*identified*”. The *true positive rate* is equivalent to the conditional frequency

$$h(\text{identified}|\text{genuine identity}) = \frac{r_p}{r_p + f_n}$$

with r_p as the total number of *true positive* classifications and f_n as the total number of *false negative* classifications. The *true positive rate* is a measure for the recognition rate of the validated *Apo-Ident IdentModule*.

In order to ensure that each substance is received with the same weight, the spectra are weighted as described for the [true negative rate](#).

The true negative result describes a spectrum correctly classified as non-identity during validation. It is equivalent to correct classification. It means that a substance *A* within identity checking as substance *B* is judged as “*not identified*”.

The false positive result describes a spectrum falsely classified as non-identity during validation. This is the most critical type of possible false classification. It means that a substance *A* within identity checking as substance *B* is judged as “*identified*”. For successful validation of an *IdentModule*, a number of false positive events of zero are demanded for all spectra entering the validation. The exception to this restriction is the class of TCM granulates from the company *PhytoComm* as described under [Particularities of individual substance classes](#).

The true positive result describes a spectrum correctly classified as identity during validation. It is equivalent to correct classification. It means that a substance *A* within identity checking as substance *A* is judged as “*identified*”.

The false negative result describes a spectrum falsely classified as non-identity during validation. It is equivalent to false classification. It means that a substance *A* within identity checking as substance *A* is judged as “*not identified*”.

The ‘Rule of Three’ says that with a probability of 95 % the next random sample of the same size no more than three false results are to be expected if no false result existed in the existing random sample [10, 11].

The *specificity* and *recognition rate* are determined both globally and from the validation runs for all substances. The information is supplemented with the hypothetical value if there had been three false results more. The percent information is provided in parentheses with the “greater than” symbol ‘>’, e.g. *specificity* 100.000 % (>99.983 %) if 17 567 false spectra have been presented without one single *false positive* result. The larger the statistical basis, the lower the influence of the hypothetical false results.

The Mahalanobis distance is a distance measure between two points in *n*-dimensional vector space. Here, the respective direction component of the distance to *standard deviation* [12] of an *n*-dimensional distribution is standardised. In case of the *principal component analysis* [8, 9] this standardisation relates to the distribution of the respective calibration data set for a classification (substance/substance group) in the *principal component space* [8]. The *Mahalanobis distance* of a point (mapping of a spectrum) $\vec{y}$ in the *n*-dimensional principal component space to the expected value of an *n*-dimensional distribution $\mathbf{X}$ then results as

$$d(\mathbf{X}, \vec{y}) = \sqrt{(\bar{\mathbf{X}} - \vec{y})^T \mathbf{S}^{-1} (\bar{\mathbf{X}} - \vec{y})} \quad \text{with} \quad \mathbf{X} \in \mathbb{R}^{m \times n}, \vec{y} \in \mathbb{R}^m$$

[13]. Here, *m* is equivalent to the number of principal components used (dimension of the principal component space) and *n* the number of measurements existing in the calibration data set (spectra). $\bar{\mathbf{X}}$ is the expected value of the resulting distribution for the calibration data set (the average value of *n* measurements received). $\mathbf{S}^{-1}$ is the inverse covariance matrix [12] for distribution $\mathbf{X}$.

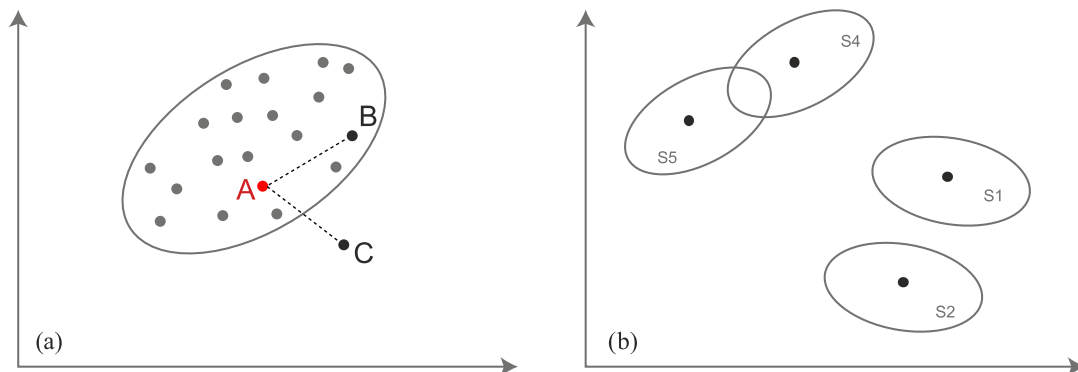


Figure 1: (a) The *Mahalanobis distance* from *A* to *B* is less than from *A* to *C*. However, the Euclidean distances are identical. (b) The *Mahalanobis distance* between the two measurement series *S4* and *S5* is smaller than between *S1* and *S2*. However, the Euclidean distances are identical.

The *Mahalanobis distance* offers advantages compared to the *Euclidean distance*: For the calculation of the distance it takes the statistical properties of a data point distribution (measurement series), i.e. average value, variance and covariance of the data points [14] into account. The *Mahalanobis distance* is applied while creating the reference database for evaluating the spectra from different samples of a substance.

A chemometric model is a classifier based on statistical methods [8, 9]. Through the respective algorithm used (e.g. *Principal Component Analysis*, *Cluster Analysis*), a maximum of chemical information is extracted from measurement data. Here, systematical or physical disturbances are eliminated using appropriate data pre-processing [15, 16].

At several places in this document, in order to simplify understanding, the term **database** is used instead of *chemometric model* – in the same manner as in the *Ph. Eur. Section 2.2.40* [3].

As sample applies the substance from a package. Multiple extractions of substance from the same package for spectrum recordings will be ascribed to the same sample. This also applies if multiple of such samples originate from the same batch.

Does a supplier conversely take a sample for testing from its incoming goods and splits it to multiple laboratory containers, the substance in all laboratory containers will still be ascribed to the same sample. *HiperScan GmbH* only uses one of the subsamples.

Reference samples are used to structure the database. The *reference spectra* originate from these samples. In chemometric technical jargon you would normally say: For *calibration*, a **chemometric model** is generated from the *calibration spectra* recorded from the *calibration samples*, whose quality is subsequently assessed in **validation**.

Reference samples are procured via typical pharmacy sources. Their identity is tested. The *reference spectra* are recorded by *HiperScan GmbH*. The documentation also includes the manufacturer's name and batch number.

Reference samples are clearly identified by a sample ID. Samples without sample ID may not be used as *reference samples*.

Summary

A total of 216 748 spectra from 23 120 different batches for a total of 825 substances were used to validate the substance class *Drugs*.

Validation samples

The validation samples can be categorised as follows:

Type A Calibration spectra. These are the spectra used to generate the chemometric model. They were recorded by *HiperScan GmbH*. Detailed information regarding the batches or samples can be found in the following validation reports under *calibration samples* and under *Type A*. Further information is listed in [Appendix A](#).

Substance class	Substances	Batches	Spectra
Drugs	101	340	15 019

From category *A* a total of 15 019 spectra from 340 batches for a total of 101 substances were taken into account for validation.

Type B Spectra from independent samples which are not included in database generation. These spectra were recorded by *HiperScan GmbH*. Detailed information regarding the batches or samples can be found in the following validation reports in the section *Type B* or in [Appendix B](#).

Substance class	Substances	Batches	Spectra
Drugs	93	143	4596
APIs & excipients, solid	482	2309	132 309
Narcotic substances, solid	17	78	7640
Specific classifier 26188	10	24	1199

From category *B* a total of 145 744 spectra from 2554 batches for a total of 602 substances were taken into account for validation.

Type C Spectra from independent samples which are not included in database generation. *Apo-Ident* customers carried out the measurements. Detailed information regarding the batches or samples can be found in the following validation reports in the section *Type C* or in [Appendix C](#).

Substance class	Substances	Batches	Spectra
Drugs	286	6239	15 467
APIs & excipients, solid	382	14 589	40 103
Specific classifier 26188	5	33	39
Narcotic substances, solid	11	219	376

From category *C* a total of 55 985 spectra from 21 080 batches for a total of 684 substances were taken into account for validation.

Validation results

The validation runs checked whether all substances/substance groups in the substance class *Drugs* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For

this purpose, the matching of all relevant spectra of various substances with the substances/substance groups in the substance class *Drugs* was checked and the correctness of the results was evaluated. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	15 016	3	1 261 596
Type B	0	2294	1122	12 384 142
Type C	0	2766	881	4 754 539

All substances/substance groups in the substance class *Drugs* can be clearly distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.000 00 % (> 99.999 24 %)	99.970 09 % (> 99.937 89 %)
Type B	100.000 00 % (> 99.999 84 %)	72.629 98 % (> 72.450 65 %)
Type C	100.000 00 % (> 99.998 38 %)	69.667 46 % (> 69.079 22 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Agarikon**
Substance class Drugs
Report date 04/07/2017
Report number 40816-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Agarikon; Agaricus albus; Fungus laricis; Fungus Laricis; Quinine conk

Special notes

When selecting the *Agarikon* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Agarikon*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Agarikon	1061A120312	40831	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 40 spectra of 1 reference samples from the substance/substance group *Agarikon*. These samples are listed above in the [calibration samples](#) section.
- 14 979 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 150 spectra of 3 reference samples from the substance/substance group *Agarikon*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Agarikon	11024502	40816	30
Caelo	Agarikon	14190702	41051	60
Caelo	Agarikon	14190706	41076	60

- 145 594 spectra from a total of 2514 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 2 spectra from 2 *Apo-Ident* customers from 2 batches from the substance/substance group *Agarikon*.

Supplier	Substance	Batch	Spectra
Klenk	Agarikon	1061a120312	1
Caelo	Agarikon	11024502	1

- 55 983 spectra from 335 *Apo-Ident* customers from a total of 20 604 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Agarikon* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Agarikon* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	40	0	14 979
Type B	0	14	136	145 594
Type C	0	0	2	55 983

The substance/substance group *Agarikon* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9369 %)	100.0000 % (> 85.0000 %)
Type B	100.0000 % (> 99.9861 %)	9.3333 % (> 7.3333 %)
Type C	100.0000 % (> 99.8628 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40831	40831	0.00	53.88

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Agnus castus fruit**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40200-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Agnus castus fruit; Agni casti fructus tot.; Fructus Agni casti tot.; Monk's pepper fruit

Special notes

When selecting the *Agnus castus fruit* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also "database") in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Agnus castus fruit*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Agnus castus fruit	7110N090701	40200	40	pending
Caelo	Agnus castus fruit	12274003	40758	40	1501649
Caelo	Agnus castus fruit	13193401	40902	40	AR-15-FG-006453-01
Caelo	Agnus castus fruit	15318705	41232	40	20150916

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Agnus castus fruit*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 332 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Agnus castus fruit*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Agnus castus fruit	15318705	41232 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 73 spectra from 33 *Apo-Ident* customers from 40 batches from the substance/substance group *Agnus castus fruit*.

Supplier	Substance	Batch	Spectra
Caelo	Agnus castus fruit	12016903	1
Caelo	Agnus castus fruit	12016908	1
Caelo	Agnus castus fruit	12016905	2
Gutenberg-Apotheke	Agnus castus fruit	61765	1

continued on the next page

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

continued from previous page

Supplier	Substance	Batch	Spectra
Caelo	Agnus castus fruit	13193401	2
Caelo	Agnus castus fruit	13193404	1
Caelo	Agnus castus fruit	13193406	3
gehe	Agnus castus fruit	13193407	1
Caelo	Agnus castus fruit	13193410	2
Berkel AHK	Agnus castus fruit	14194401	1
Klenk	Agnus castus fruit	7110A110614	2
Caelo	Agnus castus fruit	14194408	1
Klenk	Agnus castus fruit	7110N150121	1
Caelo	Agnus castus fruit	15065105	1
Caelo	Agnus castus fruit	80175158	2
Klenk	Agnus castus fruit	7110A130613	1
Caelo	Agnus castus fruit	1513546	1
Caelo	Agnus castus fruit	11026309	1
Noweda	Agnus castus fruit	12016902	1
Caelo	Agnus castus fruit	11026318	1
Caelo	Agnus castus fruit	12016902	1
Caelo	Agnus castus fruit	12016904	1
Caelo	Agnus castus fruit	12016907	1
Caelo	Agnus castus fruit	12016909	3
Anzag 16.10.12 ek:2,05EUR	Agnus castus fruit	12016909	1
Caelo	Agnus castus fruit	12274001	1
Caelo	Agnus castus fruit	12274002	1
Caelo	Agnus castus fruit	12274003	7
Caelo	Agnus castus fruit	12274006	2
Klenk	Agnus castus fruit	12274007	1
Caelo	Agnus castus fruit	12274007	1
Caesar & Loretz GmbH, 4...	Agnus castus fruit	12274007	1
Sanacorp	Agnus castus fruit	12274008	1
Caelo	Agnus castus fruit	12274009	2
Caelo	Agnus castus fruit	12274010	9
Alliance	Agnus castus fruit	12274010	1
Caelo	Agnus castus fruit	12274012	1
Caelo	Agnus castus fruit	12274013	2
Caelo	Agnus castus fruit	13193403	1
Caelo	Agnus castus fruit	3413A-03015	1
Klenk	Agnus castus fruit	7110N090701	1
Klenk	Agnus castus fruit	A110614	3
Klenk	Agnus castus fruit	A130613	1
Klenk	Agnus castus fruit	A120803	1
Caelo	Agnus castus fruit		1

- 55 912 spectra from 335 *Apo-Ident* customers from a total of 20 568 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Agnus castus fruit* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Agnus castus fruit* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	20	0	145 724
Type C	0	34	39	55 912

The substance/substance group *Agnus castus fruit* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	46.5753 % (> 42.4658 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40200	40200	0.00	18.97
40758	40758	0.00	15.55
40902	40902	0.00	18.18
41232	40200	6.22	14.11

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Almonds, bitter, whole**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40267-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Almonds, bitter, whole; Amygdalae amarae tot.; Bitter almonds

Special notes

When selecting the *Almonds, bitter, whole* substance/substance group, the following information is displayed to the user:

- Advice for the identification of bitter almonds: Bitter almond (HAB 2013) and sweet almond (food product) can not be conclusively distinguished by spectral analysis. An additional analysis of identity may be required.

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Almonds, bitter, whole*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Almonds, bitter,...	0040A111117	40267	40	20111207
Caelo	Almonds, bitter,...	13220401	40901	40	1406296

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 80 spectra of 2 reference samples from the substance/substance group *Almonds, bitter, whole*. These samples are listed above in the [calibration samples](#) section.
- 14 939 spectra from a total of 334 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Almonds, bitter, whole*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 78 spectra from 25 *Apo-Ident* customers from 24 batches from the substance/substance group *Almonds, bitter, whole*.

Supplier	Substance	Batch	Spectra
Bombastus	Almonds, bitter, whole	284978	1
Apotheke Bühlau	Almonds, bitter, whole	267467	1
Bombastus	Almonds, bitter, whole	275001	2
Bombastus	Almonds, bitter, whole	275600	1
Klenk	Almonds, bitter, whole	40A140908	11
Klenk	Almonds, bitter, whole	40A130909	10
Klenk	Almonds, bitter, whole	40A150904	3
Klenk	Almonds, bitter, whole	40A161028	1
Klenk	Almonds, bitter, whole	40A0130909	1
Fagron	Almonds, bitter, whole	40A121010	3
Bombastus	Almonds, bitter, whole	40A140908	3
Caelo	Almonds, bitter, whole	15193103	1
Caelo	Almonds, bitter, whole	16221202	1
Bombastus	Almonds, bitter, whole	290973	4

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Supplier	Substance	Batch	Spectra
Bombastus	Almonds, bitter, whole	303218	2
Bombastus	Almonds, bitter, whole	305322	1
Bombastus	Almonds, bitter, whole	267467	1
Bombastus	Almonds, bitter, whole	267529	1
Klenk	Almonds, bitter, whole	40A111004	1
Klenk	Almonds, bitter, whole	40A111117	8
Klenk	Almonds, bitter, whole	40A120924	7
Klenk	Almonds, bitter, whole	40A121010	8
Großhandel	Almonds, bitter, whole	40A100901	1
Caelo	Almonds, bitter, whole	40A120924	1
Caelo	Almonds, bitter, whole	5121301	1
Caelo	Almonds, bitter, whole	12239604	1
Caelo	Almonds, bitter, whole	13242001	1
Bombastus	Almonds, bitter, whole	275601	1

- 55 907 spectra from 335 *Apo-Ident* customers from a total of 20 582 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Almonds, bitter, whole* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Almonds, bitter, whole* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	80	0	14 939
Type B	0	0	0	145 744
Type C	0	73	5	55 907

The substance/substance group *Almonds, bitter, whole* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9359 %)	100.0000 % (> 92.5000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	93.5897 % (> 89.7436 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40267	40901	6.40	36.94
40901	40901	0.00	42.13

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Angelica root / Dandelion root / Celery root**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40429-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Angelica root / Dandelion root / Celery root; Angelica root; Angelicae radix; Apii radix conc.; Celery root, cut; Dandelion root, cut; Radix Angelicae; Radix Apii conc.; Radix Taraxaci conc.; Taraxaci radix conc.

Special notes

When selecting the *Angelica root / Dandelion root / Celery root* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Angelica root / Dandelion root / Celery root*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Celery root, cut	6091N081016	40429	40	pending
Kräuter Schulte	Angelica root	53855	40547	40	pending
Kräuter Schulte	Angelica root	46957	40551	40	pending
Caelo	Celery root, cut	10270002	40682	40	20101006

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Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Dandelion root, ...	12363102	40791	40	1403708
Caelo	Angelica root	12168701	40794	40	pending
Caelo	Angelica root	12080404	40801	40	1403053
Caelo	Dandelion root, ...	13329701	40921	40	20131017
Caelo	Angelica root	12080409	40929	40	20120322
Klenk	Celery root, cut	6091A110110	40950	40	1410177
Caelo	Dandelion root, ...	13329708	40973	40	1411089
Klenk	Angelica root	6085B120614	41050	40	1509356
Klenk	Dandelion root, ...	6621B151029	41279	40	AR-17-FG-007535-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 520 spectra of 13 reference samples from the substance/substance group *Angelica root / Dandelion root / Celery root*. These samples are listed above in the [calibration samples](#) section.
- 14 499 spectra from a total of 323 batches from further 98 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 210 spectra of 6 reference samples from the substance/substance group *Angelica root / Dandelion root / Celery root*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Dandelion root, cut	10024710	40117	40
Klenk	Dandelion root, cut	6621A100510	40120	40
Caelo	Dandelion root, cut	10024714	40140	50
Klenk	Angelica root	6085B120614	40863	40
Klenk	Angelica root	6085B120614	41050 [†]	20
Klenk	Dandelion root, cut	6621B151029	41279 [†]	20

- 145 534 spectra from a total of 2512 batches from further 600 substances. These spectra were

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 260 spectra from 86 *Apo-Ident* customers from 113 batches from the substance/substance group *Angelica root* / *Dandelion root* / *Celery root*.

Supplier	Substance	Batch	Spectra
Noweda	Angelica root	38011111	2
Anzag	Angelica root	12168703	1
Caelo	Angelica root	12168705	2
Klenk	Angelica root	6081N120110	13
Caelo	Angelica root	14178506	1
Caelo	Angelica root	14179506	2
Caelo	Angelica root	15162604	2
Caelo	Angelica root	16128002	1
Caelo	Angelica root	28101402	1
Bombastus	Angelica root	290309	1
Gehe	Angelica root	285732	1
Caelo	Angelica root	5162606	1
Klenk	Angelica root	6081B130109	7
Klenk	Angelica root	6081B130726	1
Klenk	Angelica root	6081B150701	1
Caelo	Angelica root	11093304	1
Caelo	Angelica root	11093310	1
Noweda	Angelica root	12070802	1
Caelo	Angelica root	12070806	1
Caelo	Angelica root	12345	1
Gehe	Angelica root	269740	1
Klenk	Angelica root	6081N100618	3
Gehe	Angelica root	6081N120110	3
Caelo	Angelica root	12080403	1
Caelo	Angelica root	12080412	1
Klenk	Angelica root	6085B120614	1
Caelo	Angelica root	5091303	1
Caelo	Angelica root	9030301	1
Caelo	Angelica root	10071306	1
Caelo	Angelica root	11259803	1
Caelo	Angelica root	12168701	4
Gehe	Angelica root	12168701	1
Caelo	Angelica root	269775	1
Caelo	Angelica root	12168702	2
Caelo	Angelica root	12168703	2
Caelo	Angelica root	12350701	1
Caelo	Angelica root	12350703	8
Caelo	Angelica root	12350704	2
Caelo	Angelica root	12350705	1
Caelo	Angelica root	15101304	1
Caelo	Angelica root	21011402	1
Bombastus	Angelica root	218280	1
Caelo	Angelica root	269740	1
Bombastus	Angelica root	269775	2
Bombastus	Angelica root	270117	2
Noweda	Angelica root	272720	1

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Supplier	Substance	Batch	Spectra
Bombastus	Angelica root	272720	1
Großhandel	Angelica root	272721	1
Bombastus	Angelica root	272895	1
Bombastus	Angelica root	272954	3
Noweda	Angelica root	272954	1
Caelo	Angelica root	274128	2
Bombastus	Angelica root	274128	1
Phönix Gotha	Angelica root	274128	1
Bombastus	Angelica root	275878	1
Bombastus	Angelica root	277310	3
Bombastus	Angelica root	275879	1
Sanacorp	Angelica root	277310	1
Bombastus	Angelica root	278294	1
Gehe 21.05.2013	Angelica root	278757	1
Bombastus	Angelica root	278757	4
Caelo	Angelica root	278757	1
Phönix Gotha	Angelica root	278757	1
Bombastus	Angelica root	281280	7
Bombastus	Angelica root	283387	1
Bombastus	Angelica root	285732	1
Caelo	Angelica root	3412Q-02127	1
Caelo	Angelica root	30011302	1
Aurica/Phönix	Angelica root	520800638	1
Caelo	Angelica root	6081N120110	1
Caelo	Angelica root	6081B130109	1
Klenk	Angelica root	6081b130109	1
Klenk	Angelica root	6081B130410	3
	Angelica root	6081b130109	1
noweda	Angelica root	6081N120110	1
Klenk	Angelica root	6081n120110	1
Klenk	Angelica root	6082b130410	1
Klenk	Angelica root	6091B130109	1
Klenk	Angelica root	B130109	2
gasser	Angelica root	950049	1
Caelo	Angelica root		1
china medica 14.06.2013	Angelica root	98019	1
Caelo	Angelica root	285732	1
Bombastus	Angelica root	284545	1
Caelo	Dandelion root, cut	13329702	6
Fagron	Dandelion root, cut	13329702	3
Caelo	Dandelion root, cut	13329704	1
Caelo	Dandelion root, cut	13329705	1
Caelo	Dandelion root, cut	14166502	1
Caelo	Dandelion root, cut	14166504	1
Caelo	Dandelion root, cut	14376603	1
Caelo	Dandelion root, cut	14376602	1
Klenk	Dandelion root, cut	6621A120606	20
Klenk	Dandelion root, cut	6621A140114	6
Klenk	Dandelion root, cut	6621N130813	8
Klenk	Dandelion root, cut	6621A141027	2
noweda	Dandelion root, cut		1
Klenk	Dandelion root, cut	6621B151029	1
Caelo	Dandelion root, cut	10024710	1
Klenk	Dandelion root, cut	6621A110420	5
Caelo	Dandelion root, cut	11003308	2
Klenk	Dandelion root, cut	6621A120208	10
Klenk	Dandelion root, cut	6101202	1
Caelo	Dandelion root, cut	8120	1
Caelo	Dandelion root, cut	11003306	1
Caelo	Dandelion root, cut	11003309	1

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Supplier	Substance	Batch	Spectra
Anzag 28.08.2012	Dandelion root, cut	11003311	1
Caelo	Dandelion root, cut	11003312	1
Gehe 18.12.12	Dandelion root, cut	11003313	1
Caelo	Dandelion root, cut	12363102	3
Caelo	Dandelion root, cut	1225101	1
Caelo	Dandelion root, cut	12363103	1
Caelo	Dandelion root, cut	12363104	3
cae	Dandelion root, cut	12363104	1
Caelo	Dandelion root, cut	12363105	1
Caelo	Dandelion root, cut	12363106	1
Caelo	Dandelion root, cut	12363107	1
Caelo	Dandelion root, cut	12363108	2
Caelo	Dandelion root, cut	12363109	4
Caelo	Dandelion root, cut	12363110	1
Galke	Dandelion root, cut	126302	1
Caelo	Dandelion root, cut	15407703	1
Klenk	Dandelion root, cut	4513A-07035	1
Galke	Dandelion root, cut	20658	1
Caelo	Dandelion root, cut	6621A120606	2
Caelo	Dandelion root, cut	6621A-120606	1
Klenk	Dandelion root, cut	A120606	1
Klenk	Dandelion root, cut	N130813	1
Gutenberg-Apotheke	Dandelion root, cut	6621A140114	1
Caelo	Dandelion root, cut	12367916	1
Caelo	Celery root, cut	10270012	1
Caelo	Celery root, cut	12319105	2
Caelo	Celery root, cut	10270009	1
Caelo	Celery root, cut	12319108	1
Caelo	Celery root, cut	12319107	1
Caelo	Dandelion root, cut	11003311	2
Caelo	Dandelion root, cut	11003307	1
Caelo	Dandelion root, cut	11003313	1

- 55 725 spectra from 335 *Apo-Ident* customers from a total of 20 502 batches from a further 681 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Angelica root* / *Dandelion root* / *Celery root* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Angelica root* / *Dandelion root* / *Celery root* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	520	0	14 499
Type B	0	182	28	145 478
Type C	0	182	78	55 719

The substance/substance group *Angelica root* / *Dandelion root* / *Celery root* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9350 %)	100.0000 % (> 98.8462 %)
Type B	100.0000 % (> 99.9861 %)	86.6667 % (> 85.2381 %)
Type C	100.0000 % (> 99.8623 %)	70.0000 % (> 68.8462 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40429	40429	0.00	15.92
40547	40547	0.00	14.53
40551	40551	0.00	9.35
40682	40429	8.29	17.71
40791	40791	0.00	19.45
40794	40794	0.00	14.55
40801	40801	0.00	16.24
40921	40973	6.61	13.03
40929	40801	4.89	14.61
40950	40950	0.00	23.97
40973	40973	0.00	11.03
41050	41050	0.00	9.46
41279	41279	0.00	18.11

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Anise / Caraway / Dill seeds**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40059-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Anise / Caraway / Dill seeds; Anethi fructus tot.; Aniseed; Anisi fructus tot.; Caraway fruit; Caraway fruit, pounded; Carvi fructus contus.; Carvi fructus tot.; Dill fruit; Dill seed; Fructus Anethi tot.; Fructus Anisi tot.; Fructus Carvi contus.; Fructus Carvi tot.

Special notes

When selecting the *Anise / Caraway / Dill seeds* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Anise / Caraway / Dill seeds*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Aniseed	09325104	40059	80	F 2010 000 053
Caelo	Caraway fruit	09334905	40106	80	AR-12-FG-002707-01
Caelo	Caraway fruit	09267816	40139	50	20090918
Caelo	Caraway fruit	09267814	40177	40	20090918

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Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Caraway fruit	09267825	40205	40	20090918
Klenk	Caraway fruit	2770A110601	40239	40	pending
Caelo	Caraway fruit	09267815	40304	40	AR-12-FG-007975-01
Caelo	Dill fruit	12038301	40315	40	20120228
Caelo	Caraway fruit	11003201	40333	40	20110209
Klenk	Dill fruit	2680A110808	40386	40	20110812
Klenk	Dill fruit	zu erfassen	40408	40	pending
Caelo	Dill fruit	12038301	40444	40	pending
Caelo	Caraway fruit, p...	12116901	40492	40	1403469
Kräuter Schulte	Aniseed	51600	40517	40	pending
Klenk	Aniseed	2700A110701	40530	40	20110824
Caelo	Aniseed	11370301	40536	40	pending
Caelo	Caraway fruit	11003217	40617	40	20110209
Caelo	Dill fruit	12289901	40677	40	1403464
Caelo	Caraway fruit, p...	12116904	40688	40	20120503
Caelo	Aniseed	11370301	40691	40	20120117
Caelo	Dill fruit	12342906	40911	40	20121206
Caelo	Caraway fruit, p...	13367101	40955	40	20130503
Caelo	Aniseed	13333903	40970	40	20131018
Caelo	Caraway fruit	13397104	40988	40	AR-15-FG-001526-01
Caelo	Caraway fruit	13397104	41056	40	AR-15-FG-001527-01
Caelo	Dill fruit	14018705	41069	40	pending
Caelo	Caraway fruit	13306006	41079	40	AR-16-FG-000540-03
Caelo	Caraway fruit, p...	14358801	41083	40	AR-15-FG-014914-01
Klenk	Aniseed	2700A140129	41094	40	20140926
Caelo	Caraway fruit, p...	16073201	41293	40	AR-17-FG-006648-01
Caelo	Caraway fruit	15097115	41295	40	AR-17-FG-006649-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 1330 spectra of 31 reference samples from the substance/substance group *Anise / Caraway / Dill seeds*. These samples are listed above in the [calibration samples](#) section.
- 13 689 spectra from a total of 309 batches from further 97 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 320 spectra of 11 reference samples from the substance/substance group *Anise / Caraway / Dill seeds*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Caraway fruit	2770A110601	40235	40
Klenk	Caraway fruit	2770A110601	40417	40
Kräuter Schulte	Caraway fruit	53193	40519	40
Caelo	Caraway fruit	13397104	41056 [†]	20
Caelo	Dill fruit	14018705	41069 [†]	20
Caelo	Caraway fruit	13306006	41079 [†]	20
Caelo	Caraway fruit, pounded	14358801	41083 [†]	20
Klenk	Aniseed	2700A140129	41094 [†]	20
Caelo	Caraway fruit, pounded	16073201	41293 [†]	20
Caelo	Caraway fruit	15097115	41295 [†]	20
Klenk	Aniseed	2700A160511	41345	60

- 145 424 spectra from a total of 2507 batches from further 598 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 644 spectra from 141 *Apo-Ident* customers from 220 batches from the substance/substance group *Anise / Caraway / Dill seeds*.

Supplier	Substance	Batch	Spectra
Caelo	Dill fruit	12289901	1
Klenk	Aniseed	212M-01530	1
Caelo	Aniseed	4061301	1
Caelo	Aniseed	5061301	1
Caelo	Aniseed	5091304	1
Caelo	Aniseed	5121401	1
Caelo	Aniseed		1
Klenk	Aniseed	814Q01530	1
10.2011	Aniseed	10247201	1
Caelo	Aniseed	10081207	1
Caelo	Aniseed	10247202	1
Caelo	Aniseed	10247203	2
Gehe	Aniseed	10247203	1
noweda	Aniseed	11101201	2
Caelo	Aniseed	11101202	3
Noweda	Aniseed	11101203	3
Caesar & Loretz GmbH D-...	Aniseed	11101203	2
Caelo	Aniseed	11101203	5
Caelo	Aniseed	11101213	3
Caelo	Aniseed	11101204	1
Anzag 15.10.12	Aniseed	11101213	1
Phoenix, 05.09.2012	Aniseed	11101213	2
Gehe	Aniseed	11101213	1
Caelo	Aniseed	11101214	6
Noweda	Aniseed	11101214	1

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[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Aniseed	11101215	3
Caelo	Aniseed	111101213	1
Caelo	Aniseed	11101201	1
Caelo	Aniseed	11370301	11
Caelo	Aniseed	11370302	4
Phönix	Aniseed	11370302	3
Caelo	Aniseed	11370303	10
Gehe	Aniseed	11370303	2
Klenk	Aniseed	11370303	1
Caelo	Aniseed	11370304	8
Fagron	Aniseed	11370304	1
Caelo	Aniseed	11370308	5
Caelo	Aniseed	1137033	1
Noweda	Aniseed	11370308	1
Berkel AHK	Aniseed	11374103	2
Caelo	Aniseed	12226402	4
Caelo	Aniseed	12360801	1
Caesar & Loretz GmbH, 4...	Aniseed	12226402	1
Fagron	Aniseed	13037801	1
Caelo	Aniseed	13037801	1
Caesar & Loretz GmbH, 4...	Aniseed	13037802	1
Caelo	Aniseed	13037802	9
Caelo	Aniseed	13037803	1
Phönix	Aniseed	13037803	1
Caelo	Aniseed	13037804	4
Caelo	Aniseed	13037805	8
Caesar & Loretz GmbH, 4...	Aniseed	13037805	2
Sino Phyto	Aniseed	13037805	1
Caelo	Aniseed	13037806	2
Caelo	Aniseed	13037807	1
Caelo	Aniseed	13037808	10
Gehe	Aniseed	13037808	1
Bombastus	Aniseed	13037808	1
Caelo	Aniseed	13037809	12
AHD	Aniseed	13037809	1
Gehe 08.07.2013	Aniseed	1303780L	1
Caelo	Aniseed	13037901	1
Caelo	Aniseed	1307809	1
Caelo	Aniseed	133333902	1
Caelo	Aniseed	13333901	4
Sanacorp	Aniseed	13333901	2
Berkel AHK	Aniseed	13333902	1
Caelo	Aniseed	13333902	8
Caelo	Aniseed	13333903	3
Caelo	Aniseed	13333906	2
Gehe	Aniseed	13333903	1
Sanacorp	Aniseed	13333906	1
Berkel AHK	Aniseed	13333907	5
Caelo	Aniseed	13333907	6
Caelo	Aniseed	13333908	10
Caelo	Aniseed	13333909	2
Caelo	Aniseed	13333910	3
Berkel AHK	Aniseed	13333912	1
Caelo	Aniseed	13333912	2
Berkel AHK	Aniseed	14194401	1
Berkel AHK	Aniseed	14110202	1
Caelo	Aniseed	15046101	7
Caelo	Aniseed	15046102	3
Caelo	Aniseed	15046109	2
Caelo	Aniseed	15283201	1

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Supplier	Substance	Batch	Spectra
Caesar & Loretz/Noweda	Aniseed	153986002	1
Anzag 06.04.2016	Aniseed	15398601	1
Caelo	Aniseed	15398603	2
sanacorp	Aniseed	15398602	1
Klenk	Aniseed	1601211530	1
galke	Aniseed	19654	1
Klenk	Aniseed	2103311530	1
Wolf	Aniseed	216346	1
Caelo	Aniseed	21021312	1
Galke	Aniseed	21278	1
Wolf	Aniseed	215346	1
Galke	Aniseed	22274	1
Caelo	Aniseed	2213M-01530	1
Galke	Aniseed	23464	1
Caelo	Aniseed	2215M-01530	1
Klenk	Aniseed	2700A120320	13
Klenk	Aniseed	2700A110701	10
Bombastus	Aniseed	268180	1
Caelo	Aniseed	2700A130527	1
Jenne	Aniseed	2700A131015	2
Rondell Apotheke	Aniseed	2700A140129	3
Klenk	Aniseed	2700A130527	12
Caelo	Aniseed	2700A140129	2
Klenk	Aniseed	2700A-110701	1
Klenk	Aniseed	2700a120320	1
Klenk	Aniseed	2700A12107	1
Gehe	Aniseed	2700A130527	1
Klenk	Aniseed	2700A131015	1
Klenk	Aniseed	2700A140129	2
Klenk	Aniseed	2700A150601	1
Bombastus	Aniseed	278925	2
Bombastus	Aniseed	273682	1
Bombastus	Aniseed	276456	1
Bombastus	Aniseed	282917	1
Bombastus	Aniseed	285777	1
Bombastus	Aniseed	285778	2
Klenk	Aniseed	2901311530	1
Caelo	Aniseed	2916E-01530	1
Klenk	Aniseed	3113Q01530	1
Caelo	Aniseed	411081/1	1
Nachprüfung	Aniseed	5010U-01530	1
Noweda	Aniseed	521103501	1
Aurica Naturheilmittel ...	Aniseed	521600679	1
Bahnhof-Apotheke	Aniseed	7-120913	1
Wolf	Aniseed	B216346	16
Hepart AG	Aniseed		1
Wolf	Aniseed	B-671	2
Wolf	Aniseed	B671	1
Wolf	Aniseed	L401F292b	4
Wolf	Aniseed	L401F1413	1
Klenk	Aniseed		3
Caelo	Aniseed	15398602	2
Caelo	Aniseed	3314E-01530	1
Caelo	Caraway fruit	11003207	1
Caelo	Caraway fruit	15097108	2
Klenk	Caraway fruit	2770A110601	14
Caelo	Caraway fruit	11003217	6
Caelo	Caraway fruit	12226501	6
Caelo	Dill fruit	12342909	5
Klenk	Dill fruit	2680A130806	1

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Supplier	Substance	Batch	Spectra
Caelo	Dill fruit	9189003	1
Caelo	Dill fruit	12038302	2
Caelo	Dill fruit	12038304	4
Caelo	Dill fruit	12342901	2
Caelo	Dill fruit	12342903	1
Caelo	Dill fruit	12342904	6
Caelo	Dill fruit	12342906	2
Caelo	Dill fruit	12342908	3
Hepart AG	Dill fruit	L30057kbA	1
Caelo	Dill fruit	2413M-01526	1
Gehe 12.04.2013	Dill fruit	12342901	1
Akazie	Dill fruit		1
Galke	Dill fruit	22422	1
Wolf	Dill fruit	22422	3
Wolf	Dill fruit	23622	5
Klenk	Dill fruit	2680A120312	7
Gehe	Dill fruit	2680A121211	1
Klenk	Dill fruit	2680A121211	3
Kle	Dill fruit	2680A110204	1
Klenk	Dill fruit	2680A-120312	1
Klenk	Dill fruit	2680a120312	1
Klenk	Dill fruit	A120312	1
Wolf	Dill fruit	E-501	1
Wolf	Dill fruit	L30057	5
Gutenberg-Apotheke	Aniseed	1333902	1
Galke	Dill fruit	23622	1
Kräuter Schulte	Dill fruit	6363	1
Klenk	Aniseed	13037805	1
Caelo	Aniseed	13037808-3560412014	1
Caelo	Caraway fruit	1509101	1
Caelo	Caraway fruit	1222608	1
Caelo	Caraway fruit	12226608	4
Caelo	Caraway fruit	12226612	8
Caesar & Lorenz	Caraway fruit	12226609	1
Galke	Caraway fruit	21257	1
Klenk	Caraway fruit	2770A130521	10
sanacorp	Caraway fruit	2656259	1
Caelo	Caraway fruit	4061303	1
Caelo	Caraway fruit	610E-01537	1
Caelo	Caraway fruit	6111206	1
Caelo	Caraway fruit	9267815	1
Caelo	Caraway fruit	811E-01537	1
Caesar & Loretz GmbH, 4...	Caraway fruit	9267824	1
Caelo	Caraway fruit	9267824	1
Caelo	Caraway fruit	11003201	1
Caelo	Caraway fruit	11003211	1
Caelo	Caraway fruit	10111213	1
Caelo	Caraway fruit	11003213	1
Caesar & Loretz GmbH, 4...	Caraway fruit	11003213	1
Anzag ek: 2,59EUR 19.09.12	Caraway fruit	11003216	1
Caelo	Caraway fruit	11003216	3
Anzag 30.10.12	Caraway fruit	11003217	1
Caelo	Caraway fruit	11378309	1
Phönix 08.08.2012	Caraway fruit	1103213	1
Caesar & Loretz GmbH, 4...	Caraway fruit	12226501	2
Caelo	Caraway fruit	12226503	4
Caelo	Caraway fruit	12226504	1
Caelo	Caraway fruit	12226601	1
Caelo	Caraway fruit	12226603	8
Gehe	Caraway fruit	12226603	1

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Supplier	Substance	Batch	Spectra
Caelo	Caraway fruit	12226604	4
Caesar & Loretz GmbH, 4...	Caraway fruit	12226604	1
Caelo	Caraway fruit	12226605	3
Noweda	Caraway fruit	12226605	1
Caelo	Caraway fruit	12226606	1
Caelo	Caraway fruit	12226609	2
Phönix	Caraway fruit	12226609	1
Caesar/Noweda	Caraway fruit	12226611	1
Caelo	Caraway fruit	12226611	1
Gehe	Caraway fruit	12226612	1
Caelo	Caraway fruit	12226614	5
Caelo	Caraway fruit	12228601	1
Caelo	Caraway fruit	1226608	1
Sanacorp	Caraway fruit		1
Caelo	Caraway fruit	12343403	1
Caelo	Caraway fruit	12345	1
Caelo	Caraway fruit	13041901	1
Caelo	Caraway fruit	13041903	1
Caelo	Caraway fruit	13091401	1
Caelo	Caraway fruit	13306002	6
Berkel AHK	Caraway fruit	13306002	1
Caelo	Caraway fruit	13306003	1
Caelo	Caraway fruit	13306004	1
Caelo	Caraway fruit	13306005	2
Caelo	Caraway fruit	13306006	4
Caelo	Caraway fruit	13306008	1
Caelo	Caraway fruit	13367102	1
Caelo	Caraway fruit	13397102	1
Noweda	Caraway fruit	13397102	1
Berkel AHK	Caraway fruit	13397103	1
Caelo	Caraway fruit	13397104	1
Caelo	Caraway fruit	13397103	1
Caelo	Caraway fruit	13397105	7
Berkel AHK	Caraway fruit	13397105	1
Caesar & Loretz/Noweda	Caraway fruit	15056601	1
Caelo	Caraway fruit	15097101	3
Laborch. Apolda/ Noweda	Caraway fruit	15097101	1
Caelo	Caraway fruit	15097107	1
Caelo	Caraway fruit	15097103	1
Caelo	Caraway fruit	15097109	1
Caelo	Caraway fruit	15097110	1
Caelo	Caraway fruit	15097115	1
Klenk	Caraway fruit	1810A-01537	1
Alfred Galke	Caraway fruit	20069	1
Bahnhof-Apotheke	Caraway fruit	18-120709	1
Klenk	Caraway fruit	2270A130521	1
Caelo	Caraway fruit	2103311537	1
Galke	Caraway fruit	23627	1
Bombastus	Caraway fruit	270278	1
Bombastus	Caraway fruit	270124	1
Caelo	Caraway fruit	27121202	1
Bombastus	Caraway fruit	272730	1
Bombastus	Caraway fruit	275228	1
Bombastus	Caraway fruit	275849	1
Gehe 21.03.13	Caraway fruit	275849	1
Klenk	Caraway fruit	2770A110818	8
Klenk	Caraway fruit	2770A120403	14
Klenk	Caraway fruit	2770A120905	7
Klenk	Caraway fruit	2770A131008	4
Phoenix	Caraway fruit	2770A110601	1

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Supplier	Substance	Batch	Spectra
20; 08.07.2013	Caraway fruit	2770A120403	1
Sanacorp	Caraway fruit	2770A120905	1
Klenk	Caraway fruit	2770a120905	2
Caelo	Caraway fruit	2770A130521	1
Klenk	Caraway fruit	2770A130910	1
Klenk	Caraway fruit	2770A140708	1
Bombastus	Caraway fruit	277491	2
Caelo	Caraway fruit	413M	1
Klenk	Caraway fruit	3712I-1537	1
Klenk	Caraway fruit	412091-1-P	1
Klenk	Caraway fruit	5213A1537	1
Klenk	Caraway fruit		1
Klenk	Caraway fruit	A120905	3
Wolf	Caraway fruit	B-224	1
Hepart AG	Caraway fruit		1
Caelo	Caraway fruit, pounded	14160401	1
Noweda	Caraway fruit, pounded	12116904	1
Caelo	Caraway fruit, pounded	12116904	2
Galke	Caraway fruit, pounded	18943	1

- 55 341 spectra from 335 *Apo-Ident* customers from a total of 20 398 batches from a further 680 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Anise / Caraway / Dill seeds* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Anise / Caraway / Dill seeds* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	1330	0	13 689
Type B	0	258	62	145 393
Type C	0	493	151	55 341

The substance/substance group *Anise / Caraway / Dill seeds* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9349 %)	100.0000 % (> 99.5489 %)
Type B	100.0000 % (> 99.9861 %)	80.6250 % (> 79.6875 %)
Type C	100.0000 % (> 99.8621 %)	76.5528 % (> 76.0870 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to

exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.
Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40059	40059	0.00	16.21
40106	40106	0.00	25.59
40139	41056	11.14	25.00
40177	40988	9.31	22.61
40205	40988	4.26	20.43
40239	40239	0.00	22.48
40304	40304	0.00	21.46
40315	40444	4.29	18.21
40333	40059	4.82	16.04
40386	40444	5.99	17.33
40408	40444	4.17	16.96
40444	40444	0.00	16.95
40492	40492	0.00	27.22
40517	40059	8.95	18.38
40530	40059	13.15	26.59
40536	40536	0.00	11.79
40617	40059	6.41	30.36
40677	40677	0.00	15.64
40688	40492	3.30	24.35
40691	40059	4.75	12.10
40911	40677	7.06	14.89
40955	40106	9.89	26.96
40970	40059	5.92	13.02
40988	40988	0.00	18.99
41056	41056	0.00	17.94
41069	41069	0.00	21.09
41079	41079	0.00	23.14
41083	41083	0.00	20.59
41094	40059	5.47	22.32
41293	41293	0.00	22.58
41295	41295	0.00	25.10

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Aniseed, powdered**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40282-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Aniseed, powdered; Anisi fructus plv.; Fructus Anisi plv.

Special notes

When selecting the *Aniseed, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Aniseed, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Aniseed, powdered	11306204	40282	40	AR-12-FG-007324-02
Caelo	Aniseed, powdered	11306208	40561	40	20111110
Caelo	Aniseed, powdered	11306203	40690	40	20111110

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Aniseed, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Aniseed, powdered*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 2 spectra from 2 *Apo-Ident* customers from 2 batches from the substance/substance group *Aniseed, powdered*.

Supplier	Substance	Batch	Spectra
Aurica Naturheilmittel ...	Aniseed, powdered	521405796	1
vedono	Aniseed, powdered	11306208	1

- 55 983 spectra from 335 *Apo-Ident* customers from a total of 20 604 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Aniseed, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Aniseed, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	0	0	145 744
Type C	0	2	0	55 983

The substance/substance group *Aniseed, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8628 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40282	40282	0.00	24.33
40561	40282	5.85	22.52
40690	40282	7.18	18.35

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group	Asparagus root, cut
Substance class	Drugs
Report date	04/07/2017
Report number	40504-2017-07-04
Executing company	HiperScan GmbH Weißeritzstraße 3 01067 Dresden Germany

Relevant substance names

Asparagus root, cut; Asparagi rhizoma conc.; Radix Asparagi conc.

Special notes

When selecting the *Asparagus root, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
 Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
 AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Asparagus root, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Asparagus root, ...	10299012	40504	30	pending
Caelo	Asparagus root, ...	10299010	40729	40	pending
Klenk	Asparagus root, ...	6151B110304	40826	40	1403480

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 110 spectra of 3 reference samples from the substance/substance group *Asparagus root, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 909 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Asparagus root, cut*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 3 spectra from 3 *Apo-Ident* customers from 2 batches from the substance/substance group *Asparagus root, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Asparagus root, cut	13071002	2
Galke	Asparagus root, cut	20178	1

- 55 982 spectra from 335 *Apo-Ident* customers from a total of 20 604 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Asparagus root, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Asparagus root, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	110	0	14 909
Type B	0	0	0	145 744
Type C	0	2	1	55 982

The substance/substance group *Asparagus root, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9356 %)	100.0000 % (> 94.5455 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8626 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40504	40504	0.00	19.63
40729	40729	0.00	17.13
40826	40826	0.00	11.40

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Barberries**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40610-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Barberries; Berberidis fructus tot.; Fructus Berberidis tot.

Special notes

When selecting the *Barberries* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Barberries*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Barberries	11058309	40610	40	pending
Caelo	Barberries	12217109	41063	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 80 spectra of 2 reference samples from the substance/substance group *Barberries*. These samples are listed above in the [calibration samples](#) section.
- 14 939 spectra from a total of 334 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Barberries*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Barberries	12217109	41063 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 15 spectra from 8 *Apo-Ident* customers from 9 batches from the substance/substance group *Barberries*.

Supplier	Substance	Batch	Spectra
Gutenberg-Apotheke	Barberries	12217109	1
Caelo	Barberries	12217109	3
Caelo	Barberries	12217113	2
Caelo	Barberries	12217103	3

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[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Barberries	11058320	1
Caelo	Barberries	12217106	1
Caelo	Barberries	12217107	1
Caelo	Barberries	12217111	1
Gehe	Barberries	2720N111109	1
Caelo	Barberries	1221707	1

- 55 970 spectra from 335 *Apo-Ident* customers from a total of 20 598 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Barberries* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Barberries* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	80	0	14 939
Type B	0	20	0	145 724
Type C	0	13	2	55 970

The substance/substance group *Barberries* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9359 %)	100.0000 % (> 92.5000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40610	40610	0.00	15.85
41063	41063	0.00	16.45

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Bitter fennel / Nettle seeds**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40231-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Bitter fennel / Nettle seeds; Bitter fennel; Foeniculi amari fructus; Fructus Foeniculi amari; Nettle seed; Semen Urticae tot.; Urticae semen tot.

Special notes

When selecting the *Bitter fennel / Nettle seeds* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Bitter fennel / Nettle seeds*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Bitter fennel	11185504	40231	80	20110706
Caelo	Bitter fennel	12094703	40555	30	20120411
Caelo	Nettle seed	12131507	40578	40	1402203
Caelo	Nettle seed	11126211	40731	40	pending
Caelo	Bitter fennel	12094708	40785	30	pending

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Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Bitter fennel	12167102	40789	40	20120705
Klenk	Bitter fennel	2880N120418	40821	40	1412547
Klenk	Bitter fennel	2880N120418	40830	40	AR-15-FG-002805-02
Galke	Nettle seed	21186	40868	40	pending
Klenk	Nettle seed	7470A111117	40932	35	pending
Caelo	Nettle seed	13387110	40998	40	1410300
Caelo	Bitter fennel	13413702	41030	40	1412549
Caelo	Bitter fennel	14376403	41070	40	20150108
Klenk	Bitter fennel	2860A140613	41074	40	AR-15-FG-008160-01
Bombastus	Bitter fennel	289870	41075	40	AR-15-FG-008161-01
Caelo	Bitter fennel	161603	41189	40	20160718*

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 655 spectra of 16 reference samples from the substance/substance group *Bitter fennel* / *Nettle seeds*. These samples are listed above in the [calibration samples](#) section.
- 14 364 spectra from a total of 321 batches from further 99 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 200 spectra of 7 reference samples from the substance/substance group *Bitter fennel* / *Nettle seeds*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Nettle seed	7470A110418	40215	40
Caelo	Nettle seed	11126212	40362	40
Caelo	Bitter fennel	14376403	41070 [†]	20
Klenk	Bitter fennel	2860A140613	41074 [†]	20
Bombastus	Bitter fennel	289870	41075 [†]	20
Caelo	Bitter fennel	161603	41189 [†]	20
Caelo	Bitter fennel	17020610	41343	40

*The spectra were taken from a part of the same sample which the supplier used for its analysis (identity, purity, content). In this case the manufacturer certificates proof the identity and quality of the sample from those the spectra descend.

- 145 544 spectra from a total of 2510 batches from further 600 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 343 spectra from 123 *Apo-Ident* customers from 135 batches from the substance/substance group *Bitter fennel* / *Nettle seeds*.

Supplier	Substance	Batch	Spectra
Caelo	Bitter fennel	5121401	1
Caelo	Bitter fennel	12094720	7
Caelo	Bitter fennel	13371610	1
Caelo	Bitter fennel	14255802	1
Caelo	Bitter fennel	14376401	1
Caelo	Bitter fennel	14376406	1
Caelo	Bitter fennel	14376405	1
Caelo	Bitter fennel	14376408	5
Caelo	Bitter fennel	14376402	1
Caelo	Bitter fennel	15006501	2
Caelo	Bitter fennel	15006506	1
Caelo	Bitter fennel	15006507	1
Caelo	Bitter fennel	15007601	1
Spangro/gepapharm	Bitter fennel	15007602	1
Caelo	Bitter fennel	15141004	1
Noweda 06.04.2016	Bitter fennel	15443201	1
Caesar & Loretz/Noweda	Bitter fennel	15443203	1
Caelo	Bitter fennel	15443204	1
Caelo	Bitter fennel	15443208	1
Caelo	Bitter fennel	15443212	1
Klenk	Bitter fennel	2860A140224	3
Caelo	Bitter fennel	2860A140612	1
Klenk	Bitter fennel		1
Klenk	Bitter fennel	2860A140612	5
Klenk	Bitter fennel	2860A140613	1
Klenk	Bitter fennel	2860A150320	1
Bombastus	Bitter fennel	289869	1
Bombastus	Bitter fennel	289870	3
Bombastus	Bitter fennel	293627	1
Bombastus	Bitter fennel	296877	1
Fagron	Bitter fennel	6858913	1
Caelo	Bitter fennel	10109010	1
Caelo	Bitter fennel	11016309	1
Caesar & Loretz GmbH 40...	Bitter fennel	11016319	4
Caelo	Bitter fennel	11016331	4
Caesar & Loretz GmbH D-...	Bitter fennel	11016331	1
Caelo	Bitter fennel	11016332	1
Caelo	Bitter fennel	1106330	1
Caelo	Bitter fennel	11185501	1

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[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Gehe	Bitter fennel	12035102	1
Caelo	Bitter fennel	12035102	3
Fagron	Bitter fennel	1406211545	1
Caelo	Bitter fennel	16061202	1
Bombastus	Bitter fennel	268130	4
Klenk	Bitter fennel	2860A110704	4
Anzag 06.03.13 ek:8,14EUR	Bitter fennel	2860A120412	1
Caelo	Bitter fennel	2860A110704	1
Klenk	Bitter fennel	2860A120412	19
Caesar & Loretz GmbH, 4...	Bitter fennel	12094705	3
Phönix, 27.10.2012	Bitter fennel	12094705	1
Noweda	Bitter fennel	12094707	1
Caelo	Bitter fennel	12094710	5
Caelo	Bitter fennel	12094711	2
Caelo	Bitter fennel	1209474	1
Caelo	Bitter fennel	12167102	3
Caelo	Bitter fennel		1
Caelo	Bitter fennel	7031306	1
Caelo	Bitter fennel	9121305	1
Caelo	Bitter fennel	13020801	3
Caelo	Bitter fennel	13020802	6
Phönix	Bitter fennel	13020802	1
Caelo	Bitter fennel	1302081	1
Caelo	Bitter fennel	13200401	4
Caelo	Bitter fennel	13200402	1
Caelo	Bitter fennel	1320041	1
Klenk	Bitter fennel	2866B130206	1
Gahlke	Bitter fennel	20362	1
Caelo	Bitter fennel	4061302	1
Klenk	Bitter fennel	2866B100211	1
Caelo	Bitter fennel	402311545	1
Caelo	Bitter fennel	5061302	1
Defektur	Bitter fennel	7/13	1
Caelo	Bitter fennel	11016330	1
Caelo	Bitter fennel	6091201	1
Bahnhof-Apotheke	Bitter fennel	11-121029	1
Caelo	Bitter fennel	12094703	2
Caelo	Bitter fennel	12094704	6
Gehe	Bitter fennel	12094704	1
Phoenix 21.03.13	Bitter fennel	12094704	1
Caelo	Bitter fennel	12094705	4
Caesar & Loretz GmbH, 4...	Bitter fennel	12094707	2
Caelo	Bitter fennel	12094707	6
Fagron	Bitter fennel	12094708	1
Caelo	Bitter fennel	12094708	2
Sanacorp	Bitter fennel	12094710	1
Klenk	Bitter fennel	12094710	1
Caesar & Loretz GmbH, 4...	Bitter fennel	12094711	2
Caelo	Bitter fennel	12094712	5
Noweda	Bitter fennel	12094712	1
Caelo	Bitter fennel	12094715	5
10; 08.07.2013	Bitter fennel	12094715	1
Caelo	Bitter fennel	12094716	9
Caesar & Loretz GmbH, 4...	Bitter fennel	12094716	1
Caelo	Bitter fennel	12094717	1
Caelo	Bitter fennel	12094719	4
Sanacorp	Bitter fennel	12094719	1
Caesar & Loretz GmbH, 4...	Bitter fennel	12094720	1
Caelo	Bitter fennel	12094721	2
Caelo	Bitter fennel	12094724	3

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Supplier	Substance	Batch	Spectra
Caelo	Bitter fennel	12094725	5
Caesar & Loretz GmbH, 4. . .	Bitter fennel	12094725	3
Caelo	Bitter fennel	12345678	1
Caelo	Bitter fennel	13148303	1
Sanacorp	Bitter fennel	13148303	1
Caelo	Bitter fennel	13148304	19
Caesar & Loretz GmbH, 4. . .	Bitter fennel	13148304	3
Gehe	Bitter fennel	13148304	1
Caelo	Bitter fennel	13148306	1
Caelo	Bitter fennel	13148307	3
Caelo	Bitter fennel	13398502	3
Caelo	Bitter fennel	14111301	1
Phönix	Bitter fennel	15006501	1
Alfred Galke	Bitter fennel	18270	1
galke	Bitter fennel	19938	1
Galke	Bitter fennel	19938	2
Galke	Bitter fennel	22176	1
Defektur	Bitter fennel	26813035/12	1
Caelo	Bitter fennel	27121201	1
Bombastus	Bitter fennel	273706	4
Großhandel	Bitter fennel	273706	1
Bombastus	Bitter fennel	275921	1
Bombastus	Bitter fennel	275922	5
Bombastus	Bitter fennel	280891	2
Bombastus	Bitter fennel	285609	1
Großhandel	Bitter fennel	2860A120412	2
Caelo	Bitter fennel	2860A120412	2
Gehe	Bitter fennel	2860A120412	3
Klenk	Bitter fennel	2860A130226	5
Gehe	Bitter fennel	2860A110704	1
Klenk	Bitter fennel	2860a120412	3
Gehe	Bitter fennel	2860A130226	2
Klenk	Bitter fennel	2860A130513	1
Phönix	Bitter fennel	2860A130513	1
Klenk	Bitter fennel	2866B110318	1
Klenk	Bitter fennel	2880A100503	2
Klenk	Bitter fennel	2880N120418	4
Klenk	Bitter fennel	3812A-01545	1
Defektur	Bitter fennel	52/13	1
Defektur	Bitter fennel	57/13	1
Hepart AG	Bitter fennel		1
Wolf	Bitter fennel	B-362	1
Wolf	Bitter fennel	B362	2
Wolf	Bitter fennel	B382	1
Wolf	Bitter fennel	B492	1
Wolf	Bitter fennel	B-492	5
Wolf	Bitter fennel	B-493	1
Wolf	Bitter fennel	B-682	1
Cae	Bitter fennel		1
Fagron	Bitter fennel		1
Klenk	Nettle seed	2021505	1
Caelo	Nettle seed	13387109	1
Caelo	Nettle seed	15290602	1
Caelo	Nettle seed	16327001	1
Caelo	Nettle seed	12131505	1
Euro OTC	Nettle seed	12131507	1
Caelo	Nettle seed	12131507	1
Caelo	Nettle seed	13010612	2
Sanacorp	Nettle seed	13010602	1
Caelo	Nettle seed	13010607	1

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Supplier	Substance	Batch	Spectra
Caelo	Nettle seed	20111301	1
Caelo	Bitter fennel	11016318	1
GEHE	Bitter fennel	12035102	1
Herbasinica	Bitter fennel	1294710	1
Bombastus	Bitter fennel	267683	1
Caelo	Bitter fennel	12094716-3408310191	1
Caelo	Bitter fennel	13148304-3500411070	1
Klenk	Bitter fennel	13020801	1
Klenk	Bitter fennel	2860A13	1
Kenk / Phoenix	Bitter fennel	2860A130226	2
Caelo	Bitter fennel	4911E-1545	1
Caelo	Bitter fennel	12167101	1
Klenk	Nettle seed	7470A141021	1
Klenk	Nettle seed	7470A110418	1

- 55 642 spectra from 335 *Apo-Ident* customers from a total of 20 476 batches from a further 682 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Bitter fennel* / *Nettle seeds* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Bitter fennel* / *Nettle seeds* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	655	0	14 364
Type B	0	132	68	145 544
Type C	0	166	177	55 642

The substance/substance group *Bitter fennel* / *Nettle seeds* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9350 %)	100.0000 % (> 99.0840 %)
Type B	100.0000 % (> 99.9861 %)	66.0000 % (> 64.5000 %)
Type C	100.0000 % (> 99.8621 %)	48.3965 % (> 47.5219 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40231	41189	7.61	35.27
40555	40785	5.09	44.30
40578	40578	0.00	23.63
40731	40731	0.00	27.22
40785	40785	0.00	44.39
40789	41030	3.92	17.92
40821	40821	0.00	32.91
40830	40830	0.00	32.27
40868	40868	0.00	17.91
40932	40932	0.00	15.66
40998	40998	0.00	23.34
41030	41030	0.00	18.95
41070	40785	7.54	51.28
41074	41074	0.00	21.62
41075	41075	0.00	26.93
41189	41189	0.00	44.88

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Black cohosh, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40496-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Black cohosh, cut; Cimicifugae rhizoma conc.; Rhizoma Cimicifugae conc.

Special notes

When selecting the *Black cohosh, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Black cohosh, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Black cohosh, cut	10281114	40496	40	20101118
Caelo	Black cohosh, cut	13237901	40912	40	pending
Caelo	Black cohosh, cut	13237903	40989	40	20130812

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Black cohosh, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 1 reference samples from the substance/substance group *Black cohosh, cut*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Black cohosh, cut	10281112	40616	40

- 145 704 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 32 spectra from 22 *Apo-Ident* customers from 16 batches from the substance/substance group *Black cohosh, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Black cohosh, cut	13237903	1
Caelo	Black cohosh, cut	13237907	1
Klenk	Black cohosh, cut	6721b130528	1
Caelo	Black cohosh, cut	10281104	1
Caelo	Black cohosh, cut	10281118	2
Klenk	Black cohosh, cut	3794377	1
Klenk	Black cohosh, cut	6721B130214	10

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Supplier	Substance	Batch	Spectra
Klenk	Black cohosh, cut	6721B081208	1
Klenk	Black cohosh, cut	6721B130528	5
Klenk	Black cohosh, cut	B130528	2
Caelo	Black cohosh, cut	13237901	2
Caelo	Black cohosh, cut	10281112	1
Nachprüfung	Black cohosh, cut	10281113	1
Caelo	Black cohosh, cut	13142101	1
Kräuter Schulte	Black cohosh, cut	3308M-02176	1
Herbasinica	Black cohosh, cut		1

- 55 953 spectra from 335 *Apo-Ident* customers from a total of 20 591 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Black cohosh, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Black cohosh, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	40	0	145 704
Type C	0	25	7	55 953

The substance/substance group *Black cohosh, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 85.0000 %)
Type C	100.0000 % (> 99.8621 %)	78.1250 % (> 68.7500 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40496	40912	5.93	10.09
40912	40912	0.00	12.11
40989	40912	6.95	14.75

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Black cumin seed**
Substance class **Drugs**
Report date 04/07/2017
Report number 40475-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Black cumin seed; Black caraway; Nigellae semen tot.; Semen Nigellae sativae tot.

Special notes

When selecting the *Black cumin seed* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Black cumin seed*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Black cumin seed	10121916	40475	40	20100601
Klenk	Black cumin seed	7330A110204	40503	40	20110214
Kräuter Schulte	Black cumin seed	50371	40518	40	pending
Caelo	Black cumin seed	11233503	40615	40	1403495
Caelo	Black cumin seed	161157	41227	40	20160708

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 200 spectra of 5 reference samples from the substance/substance group *Black cumin seed*. These samples are listed above in the [calibration samples](#) section.
- 14 819 spectra from a total of 331 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Black cumin seed*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Black cumin seed	161157	41227 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 52 spectra from 18 *Apo-Ident* customers from 28 batches from the substance/substance group *Black cumin seed*.

Supplier	Substance	Batch	Spectra
Caelo	Black cumin seed	10121916	1
Caelo	Black cumin seed	11233507	1
Caelo	Black cumin seed	12358906	2
Caelo	Black cumin seed	13326405	2

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[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Black cumin seed	13326406	1
Caelo	Black cumin seed	14359903	3
Chiesi/Phönix	Black cumin seed	14359906	2
Akazie	Black cumin seed		1
Spinnrad/Phoenix	Black cumin seed	613310592	1
Wolf	Black cumin seed	L402F171b	3
Caelo	Black cumin seed	10121915	1
Caesar & Loretz GmbH Hi...	Black cumin seed	LMV1505024	1
Caelo	Black cumin seed	11233502	2
Caelo	Black cumin seed	11233503	2
Caelo	Black cumin seed	12358901	3
Caelo	Black cumin seed	12358903	2
Wolf	Black cumin seed	20720	8
Wolf	Black cumin seed	207204	1
Wolf	Black cumin seed		1
Wolf	Black cumin seed	L310F141b	6
Klenk	Black cumin seed	A120703	1
Wolf	Black cumin seed	B-471	1
Klenk	Black cumin seed	7330A120703	1
Wolf	Black cumin seed	L402F1713	1
Spinnrad	Black cumin seed	11931059	1
Hepart AG	Black cumin seed		1
Caelo	Black cumin seed	12358904	1
Caelo	Black cumin seed	12358902	1

- 55 933 spectra from 335 *Apo-Ident* customers from a total of 20 580 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Black cumin seed* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Black cumin seed* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	200	0	14 819
Type B	0	20	0	145 724
Type C	0	47	5	55 933

The substance/substance group *Black cumin seed* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9352 %)	100.0000 % (> 97.0000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	90.3846 % (> 84.6154 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several

new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40475	40615	8.30	182.46
40503	40615	17.17	230.47
40518	40615	11.20	165.31
40615	40615	0.00	205.41
41227	40615	12.03	180.28

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Black mustard seed**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40476-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Black mustard seed; Semen Sinapis tot.; Sinapis nigrae semen tot.

Special notes

When selecting the *Black mustard seed* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Black mustard seed*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Black mustard seed	11124307	40476	40	20110502
Caelo	Black mustard seed	12189303	40645	40	1403472
Klenk	Black mustard seed	7430A120813	40834	40	AR-15-FG-001050-01
Caelo	Black mustard seed	15120405	41276	40	AR-17-FG-007964-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Black mustard seed*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 332 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Black mustard seed*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Black mustard seed	15120405	41276 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 5 spectra from 3 *Apo-Ident* customers from 4 batches from the substance/substance group *Black mustard seed*.

Supplier	Substance	Batch	Spectra
Klenk	Black mustard seed	7430A120813	2
Caelo	Black mustard seed	12189307	1
Caelo	Black mustard seed	14057702	1
Caelo	Black mustard seed	13038904	1

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

- 55 980 spectra from 335 *Apo-Ident* customers from a total of 20 602 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Black mustard seed* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Black mustard seed* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	20	0	145 724
Type C	0	4	1	55 980

The substance/substance group *Black mustard seed* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8624 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40476	40645	4.31	14.06
40645	40645	0.00	13.19
40834	40834	0.00	17.87
41276	41276	0.00	25.57

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Black mustard seed, powdered**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40344-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Black mustard seed, powdered; Semen Sinapis plv.; Sinapis nigrae semen plv.

Special notes

When selecting the *Black mustard seed, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Black mustard seed, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Black mustard se...	12350204	40686	80	1403711
Klenk	Black mustard se...	7434A120712	40861	40	AR-15-FG-006711-01
Caelo	Black mustard se...	13358304	40960	40	pending
Caelo	Black mustard se...	16051807	41286	40	9887

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 200 spectra of 4 reference samples from the substance/substance group *Black mustard seed, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 819 spectra from a total of 332 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 140 spectra of 4 reference samples from the substance/substance group *Black mustard seed, powdered*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Black mustard seed, powdered	10064103	40091	40
Caelo	Black mustard seed, powdered	12009703	40344	40
Caelo	Black mustard seed, powdered	12009703	40479	40
Caelo	Black mustard seed, powdered	16051807	41286 [†]	20

- 145 604 spectra from a total of 2514 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 149 spectra from 39 *Apo-Ident* customers from 50 batches from the substance/substance group *Black mustard seed, powdered*.

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Supplier	Substance	Batch	Spectra
Caelo	Black mustard seed, powdered	13097704	4
Eurho/Noweda	Black mustard seed, powdered	13356304	1
Caelo	Black mustard seed, powdered	13358302	12
Caelo	Black mustard seed, powdered	13358304	6
Caelo	Black mustard seed, powdered	14162802	1
Caelo	Black mustard seed, powdered	14162807	1
Caelo	Black mustard seed, powdered	14162810	5
Caelo	Black mustard seed, powdered	14245601	1
Fagron	Black mustard seed, powdered	14293705	1
Caelo	Black mustard seed, powdered	14293702	2
Caelo	Black mustard seed, powdered	14293706	1
Caelo	Black mustard seed, powdered	15131101	1
Caelo	Black mustard seed, powdered	15131102	1
Caelo	Black mustard seed, powdered	15214706	1
Caelo	Black mustard seed, powdered	16051807	1
Caelo	Black mustard seed, powdered	15214708	1
Caelo	Black mustard seed, powdered	2015Q-02244	1
Caelo	Black mustard seed, powdered	23061401	1
Klenk	Black mustard seed, powdered	7434A130422	3
Klenk	Black mustard seed, powdered	7434A140923	1
Caelo	Black mustard seed, powdered	12009702	5
Caelo	Black mustard seed, powdered	12009706	1
Caelo	Black mustard seed, powdered	1200970601-13	1
Caelo	Black mustard seed, powdered	12208602	6
Caelo	Black mustard seed, powdered	12208601	3
Noweda	Black mustard seed, powdered	12009706	1
Noweda	Black mustard seed, powdered	12208602	1
Caelo	Black mustard seed, powdered	12208604	3
Noweda	Black mustard seed, powdered	12208604	1
Caelo	Black mustard seed, powdered	12350202	13
Hirsch	Black mustard seed, powdered	12350202	1
Caelo	Black mustard seed, powdered	12350204	3
Caelo	Black mustard seed, powdered	12350205	3
Noweda	Black mustard seed, powdered	12350204	1
Caelo	Black mustard seed, powdered	12350207	5
Caelo	Black mustard seed, powdered	12350208	8
Caesar/Noweda	Black mustard seed, powdered	12350208	1
Caelo	Black mustard seed, powdered	12350209	1
Caelo	Black mustard seed, powdered	12350210	1
Caelo	Black mustard seed, powdered	12350211	3
Caelo	Black mustard seed, powdered	13097701	12
Caelo	Black mustard seed, powdered	13097702	4
Caelo	Black mustard seed, powdered	13097705	7
Caelo	Black mustard seed, powdered	13097706	2
Caelo	Black mustard seed, powdered	15214703	1
Caelo	Black mustard seed, powdered	15214707	1
Caelo	Black mustard seed, powdered	15214713	2
Caelo	Black mustard seed, powdered	25011401	2
Klenk	Black mustard seed, powdered	7434A120712	1
Caesar & Loretz GmbH 40...	Black mustard seed, powdered	11276701	1
Caelo	Black mustard seed, powdered	11276701	2
Klenk	Black mustard seed, powdered	A130422	1
Caelo	Black mustard seed, powdered	12009703	1
Caelo	Black mustard seed, powdered	14293701	1
Caelo	Black mustard seed, powdered	14293710	1
Caelo	Black mustard seed, powdered	12350202-3369319012	1
Caelo	Black mustard seed, powdered	14293713	1

- 55 836 spectra from 335 *Apo-Ident* customers from a total of 20 556 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Black mustard seed, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Black mustard seed, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	200	0	14 819
Type B	0	139	1	145 604
Type C	0	117	32	55 836

The substance/substance group *Black mustard seed, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9352 %)	100.0000 % (> 97.0000 %)
Type B	100.0000 % (> 99.9861 %)	99.2857 % (> 97.1429 %)
Type C	100.0000 % (> 99.8621 %)	78.5235 % (> 76.5101 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40686	40686	0.00	23.05
40861	40861	0.00	20.22
40960	40960	0.00	20.77
41286	41286	0.00	22.66

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Black pepper**
Substance class Drugs
Report date 04/07/2017
Report number 40693-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Black pepper; Fructus Piperis nigri tot.; Piperis nigri fructus tot.

Special notes

When selecting the *Black pepper* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Black pepper*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Black pepper	11193905	40693	40	20110727
Caelo	Black pepper	12192311	40892	40	1403490
Caelo	Black pepper	13221114	40968	40	20130805

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Black pepper*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 1 reference samples from the substance/substance group *Black pepper*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Black pepper	11193906	40268	40

- 145 704 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 10 spectra from 6 *Apo-Ident* customers from 9 batches from the substance/substance group *Black pepper*.

Supplier	Substance	Batch	Spectra
PHOENIX 19.05.2014	Black pepper	13221105	1
Caelo	Black pepper	12192304	1
Caelo	Black pepper	13221110	1
Caelo	Black pepper	11193911	1
Caelo	Black pepper	12192307	1
Klenk	Black pepper	A130415	2
Caelo	Black pepper	12192305	1

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Supplier	Substance	Batch	Spectra
Caelo	Black pepper	12192309	1
Caelo	Black pepper	12192306	1

- 55 975 spectra from 335 *Apo-Ident* customers from a total of 20 597 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Black pepper* can be clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Black pepper* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	40	0	145 704
Type C	0	10	0	55 975

The substance/substance group *Black pepper* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 85.0000 %)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40693	40892	6.75	21.34
40892	40892	0.00	21.27
40968	40892	11.72	20.02

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Blackcurrants**
Substance class Drugs
Report date 04/07/2017
Report number 40813-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Blackcurrants; Fructus Ribis nigri tot.; Ribis nigri fructus tot.

Special notes

When selecting the *Blackcurrants* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Blackcurrants*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Blackcurrants	12272801	40813	40	1403468

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 40 spectra of 1 reference samples from the substance/substance group *Blackcurrants*. These samples are listed above in the [calibration samples](#) section.
- 14 979 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Blackcurrants*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 7 spectra from 3 *Apo-Ident* customers from 5 batches from the substance/substance group *Blackcurrants*.

Supplier	Substance	Batch	Spectra
Caelo	Blackcurrants	14212501	1
Caelo	Blackcurrants	12272804	3
Galke	Blackcurrants	21348	1
Klenk	Blackcurrants	2990A110620	1
Klenk	Blackcurrants	A121106	1

- 55 978 spectra from 335 *Apo-Ident* customers from a total of 20 601 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Blackcurrants* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Blackcurrants* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	40	0	14 979
Type B	0	0	0	145 744
Type C	0	5	2	55 978

The substance/substance group *Blackcurrants* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9369 %)	100.0000 % (> 85.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8623 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40813	40813	0.00	13.80

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Blue bottle flower without calyx**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40353-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Blue bottle flower without calyx; Cyani flos sine calycibus tot.; Flores Cyani sine Calycibus tot.

Special notes

When selecting the *Blue bottle flower without calyx* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Blue bottle flower without calyx*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Blue bottle flow...	10291110	40353	40	pending
Caelo	Blue bottle flow...	10291105	40738	40	pending
Caelo	Blue bottle flow...	13241902	41066	40	AR-15-FG-005838-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Blue bottle flower without calyx*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Blue bottle flower without calyx*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Blue bottle flower without c...	13241902	41066 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 31 spectra from 21 *Apo-Ident* customers from 16 batches from the substance/substance group *Blue bottle flower without calyx*.

Supplier	Substance	Batch	Spectra
Caelo	Blue bottle flower without c...	11059206	3
Caelo	Blue bottle flower without c...	12060203	4
Caelo	Blue bottle flower without c...	12060205	4

continued on the next page

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Blue bottle flower without c...	12232501	3
Caelo	Blue bottle flower without c...	14323302	1
Caelo	Blue bottle flower without c...	15206601	1
Klenk	Blue bottle flower without c...		1
Caelo	Blue bottle flower without c...	510e-01456	1
Caelo	Blue bottle flower without c...	613Q-01456	1
Caelo	Blue bottle flower without c...	10291105	1
Caelo	Blue bottle flower without c...	11059209	2
Caelo	Blue bottle flower without c...	11059211	2
Caelo	Blue bottle flower without c...	12060202	2
Galke	Blue bottle flower without c...	23131	2
Bombastus	Blue bottle flower without c...	275759	2
Herbasinica	Blue bottle flower without c...		1

- 55 954 spectra from 335 *Apo-Ident* customers from a total of 20 592 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Blue bottle flower without calyx* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Blue bottle flower without calyx* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	20	0	145 724
Type C	0	27	4	55 954

The substance/substance group *Blue bottle flower without calyx* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	87.0968 % (> 77.4194 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40353	40353	0.00	17.49
40738	40738	0.00	16.94
41066	41066	0.00	13.90

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Cape aloe**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40090-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Cape aloe; Aloe capensis conc.; Aloe capensis plv.; Aloes, cape, cut; Aloes, cape, powdered

Special notes

When selecting the *Cape aloe* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Cape aloe*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Aloes, cape, pow...	09286307	40090	40	20091014
Caelo	Aloes, cape, pow...	10237705	40147	50	20100910
Caelo	Aloes, cape, pow...	11132107	40337	40	20110520
Caelo	Aloes, cape, cut	11048808	40451	40	1404398
Caelo	Aloes, cape, pow...	11132115	40612	30	1404400
Caelo	Aloes, cape, cut	11048808	40679	40	20110315
Caelo	Aloes, cape, pow...	11132115	40906	39	20110520
Caelo	Aloes, cape, pow...	12183008	40938	40	20120802
Caelo	Aloes, cape, cut	14087106	41089	40	20140404

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 359 spectra of 9 reference samples from the substance/substance group *Cape aloe*. These samples are listed above in the [calibration samples](#) section.
- 14 660 spectra from a total of 329 batches from further 99 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Cape aloe*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Aloes, cape, cut	14087106	41089 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 48 spectra from 33 *Apo-Ident* customers from 29 batches from the substance/substance group *Cape aloe*.

Supplier	Substance	Batch	Spectra
Caelo	Aloes, cape, cut	12232102	3

continued on the next page

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Aloes, cape, cut	12232105	1
Caelo	Aloes, cape, cut	12338209	1
Caelo	Aloes, cape, cut	11041402	1
Caelo	Aloes, cape, cut	11061406	1
Caelo	Aloes, cape, powdered	12183013	3
Caelo	Aloes, cape, powdered	14065905	1
Caelo	Aloes, cape, powdered	14065906	1
Caelo	Aloes, cape, powdered	15125403	1
Caelo	Aloes, cape, powdered	15206507	1
Caelo	Aloes, cape, cut	15283001	1
Caelo	Aloes, cape, cut	25071402	1
Caelo	Aloes, cape, powdered	11132115	1
Caelo	Aloes, cape, powdered	11132116	3
Caelo	Aloes, cape, powdered	12183001	2
Caelo	Aloes, cape, powdered	12183005	2
Caelo	Aloes, cape, powdered	12183007	1
Caelo	Aloes, cape, powdered	12183008	1
Caelo	Aloes, cape, powdered	12183009	3
Anzag 22.03.13 ek: 5,69EUR	Aloes, cape, powdered	12232102	1
Caelo	Aloes, cape, cut	505125	1
Caelo	Aloes, cape, cut	11048808	1
Caelo	Aloes, cape, cut	12338201	3
aloe	Aloes, cape, cut	12338201	1
Caelo	Aloes, cape, cut	12338203	4
Caelo	Aloes, cape, cut	12338206	3
Caesar/Noweda	Aloes, cape, cut	12338211	1
Caelo	Aloes, cape, cut	1313M-01089	1
Caesar/Noweda	Aloes, cape, cut	2013E-01089	1
Caelo	Aloes, cape, cut	25111303	1
Noweda	Aloes, cape, powdered	11132104	1

- 55 937 spectra from 335 *Apo-Ident* customers from a total of 20 577 batches from a further 682 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Cape aloe* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Cape aloe* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	359	0	14 660
Type B	0	20	0	145 724
Type C	0	44	4	55 937

The substance/substance group *Cape aloe* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9351 %)	100.0000 % (> 98.3287 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	91.6667 % (> 85.4167 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40090	40451	11.25	62.31
40147	40451	16.00	59.73
40337	40612	6.77	59.54
40451	40451	0.00	66.48
40612	40612	0.00	58.96
40679	40451	2.33	66.12
40906	40612	3.32	59.06
40938	40451	14.88	59.53
41089	40451	24.22	68.33

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group	Cardamom, excorticated, powdered (spice)
Substance class	Drugs
Report date	04/07/2017
Report number	40432-2017-07-04
Executing company	HiperScan GmbH Weißeritzstraße 3 01067 Dresden Germany

Relevant substance names

Cardamom, excorticated, powdered (spice); Cardamomi fructus plv.; Fructus Cardamomi excortic. plv.

Special notes

When selecting the *Cardamom, excorticated, powdered (spice)* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Cardamom, excorticated, powdered (spice)*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Cardamom, excort...	11247103	40432	40	pending
Caelo	Cardamom, excort...	13026104	40887	40	1405002
Klenk	Cardamom, excort...	2765A130524	41092	40	AR-15-FG-015285-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Cardamom, excorticated, powdered (spice)*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Cardamom, excorticated, powdered (spice)*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Cardamom, excorticated, powd. . .	2765A130524	41092 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Cardamom, excorticated, powdered (spice)*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Validation results

The validation runs checked whether the substance/substance group *Cardamom, excorticated, powdered (spice)* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Cardamom, excorticated, powdered (spice)* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	20	0	145 724
Type C	0	0	0	55 985

The substance/substance group *Cardamom, excorticated, powdered (spice)* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40432	40887	6.18	16.66
40887	40887	0.00	17.53
41092	41092	0.00	17.39

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Castoreum, powdered**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40152-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Castoreum, powdered; Castoreum canadense plv.

Special notes

When selecting the *Castoreum, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Castoreum, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Castoreum, powde...	09117503	40152	50	pending
Caelo	Castoreum, powde...	zu erfassen	40307	40	pending
Caelo	Castoreum, powde...	12137409	40930	40	1402590
Caelo	Castoreum, powde...	13410403	40978	40	20131231
Caelo	Castoreum, powde...	13410403	40979	40	20131231

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 210 spectra of 5 reference samples from the substance/substance group *Castoreum, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 809 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Castoreum, powdered*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 1 spectra from 1 *Apo-Ident* customers from 1 batches from the substance/substance group *Castoreum, powdered*.

Supplier	Substance	Batch	Spectra
Caelo	Castoreum, powdered	o810I-01236	1

- 55 984 spectra from 335 *Apo-Ident* customers from a total of 20 605 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Castoreum, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Castoreum, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	210	0	14 809
Type B	0	0	0	145 744
Type C	0	0	1	55 984

The substance/substance group *Castoreum, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9352 %)	100.0000 % (> 97.1429 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8635 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40152	40152	0.00	47.77
40307	40307	0.00	84.87
40930	40930	0.00	61.14
40978	40930	15.83	65.89
40979	40930	17.94	64.06

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Cayenne pepper, powdered (spice)**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40286-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Cayenne pepper, powdered (spice); Fructus Capsici frutescentis plv.; Piper cayennense plv.

Special notes

When selecting the *Cayenne pepper, powdered (spice)* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Cayenne pepper, powdered (spice)*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Cayenne pepper, ...	10197606	40286	40	AR-12-FG-008515-01
Caelo	Cayenne pepper, ...	12014405	40535	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 80 spectra of 2 reference samples from the substance/substance group *Cayenne pepper, powdered (spice)*. These samples are listed above in the [calibration samples](#) section.
- 14 939 spectra from a total of 334 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 60 spectra of 1 reference samples from the substance/substance group *Cayenne pepper, powdered (spice)*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Cayenne pepper, powdered (sp...	14103104	41081	60

- 145 684 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 1 spectra from 1 *Apo-Ident* customers from 1 batches from the substance/substance group *Cayenne pepper, powdered (spice)*.

Supplier	Substance	Batch	Spectra
Caelo	Cayenne pepper, powdered (sp...	13205106	1

- 55 984 spectra from 335 *Apo-Ident* customers from a total of 20 605 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Cayenne pepper, powdered (spice)* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Cayenne pepper, powdered (spice)* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	80	0	14 939
Type B	0	0	60	145 684
Type C	0	1	0	55 984

The substance/substance group *Cayenne pepper, powdered (spice)* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9359 %)	100.0000 % (> 92.5000 %)
Type B	100.0000 % (> 99.9861 %)	0.0000 % (≥ 0.0000 %)
Type C	100.0000 % (> 99.8635 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40286	40286	0.00	37.90
40535	40535	0.00	15.38

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Celery fruit**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40292-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Celery fruit; Apii graveolentis fructus tot.; Semen Apii graveolentis tot.

Special notes

When selecting the *Celery fruit* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Celery fruit*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Celery fruit	7140A111013	40292	40	20111021
Klenk	Celery fruit	7140A130625	40940	40	1405177
Klenk	Celery fruit	7140A131122	41059	40	20131204

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Celery fruit*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Celery fruit*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Celery fruit	7140A131122	41059 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Celery fruit*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Validation results

The validation runs checked whether the substance/substance group *Celery fruit* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Celery fruit* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	20	0	145 724
Type C	0	0	0	55 985

The substance/substance group *Celery fruit* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40292	40940	6.90	18.15
40940	40940	0.00	18.39
41059	40940	1.97	19.45

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Cherry stalk**
Substance class Drugs
Report date 04/07/2017
Report number 40291-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Cherry stalk; Cerasorum acid. Stipites conc.; Cherry stems, cut; Sour cherry stems, cut; Stipites Cerasorum acid. conc.; Stipites Cerasorum conc.

Special notes

When selecting the *Cherry stalk* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Cherry stalk*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Cherry stems, cut	5591A100913	40291	40	1402575
Caelo	Sour cherry stem...	10367016	40321	40	1402576
Caelo	Sour cherry stem...	12042302	40756	40	1503570

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Cherry stalk*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 99 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Cherry stalk*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 4 spectra from 3 *Apo-Ident* customers from 4 batches from the substance/substance group *Cherry stalk*.

Supplier	Substance	Batch	Spectra
Caelo	Sour cherry stems, cut	10367014	1
Caelo	Sour cherry stems, cut	10367019	1
Caelo	Sour cherry stems, cut	12042307	1
Caelo	Sour cherry stems, cut	12042301	1

- 55 981 spectra from 335 *Apo-Ident* customers from a total of 20 602 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Cherry stalk* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Cherry stalk* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	0	0	145 744
Type C	0	1	3	55 981

The substance/substance group *Cherry stalk* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8625 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40291	40291	0.00	15.84
40321	40321	0.00	11.88
40756	40756	0.00	12.77

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Chickweed, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40310-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Chickweed, cut; Herba Stellariae mediae conc.; Stellariae mediae herba conc.

Special notes

When selecting the *Chickweed, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Chickweed, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Chickweed, cut	10359112	40310	40	20110121
Caelo	Chickweed, cut	13040502	40914	40	1403482
Caelo	Chickweed, cut	13254411	40953	40	1412550

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Chickweed, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Chickweed, cut*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 23 spectra from 13 *Apo-Ident* customers from 19 batches from the substance/substance group *Chickweed, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Chickweed, cut	13040502-3283310662	1
Caelo	Chickweed, cut	10359117	2
Caelo	Chickweed, cut	14212403	1
Caelo	Chickweed, cut	14212411	1
Caelo	Chickweed, cut	4551B130902	1
Caelo	Chickweed, cut	211e-01686	1
Herbasinica	Chickweed, cut		2
Gehe	Chickweed, cut	10359112	1
Caelo	Chickweed, cut	13040501	1
Caelo	Chickweed, cut	10359116	1
Caelo	Chickweed, cut	13040502	2
Caelo	Chickweed, cut	13040503	1
Caelo	Chickweed, cut	13040504	1
Caelo	Chickweed, cut	13254401	1

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Supplier	Substance	Batch	Spectra
Caelo	Chickweed, cut	13254403	2
Caelo	Chickweed, cut	13254404	1
	Chickweed, cut	2011A-01686	1
Klenk	Chickweed, cut	4551B090528	1
Klenk	Chickweed, cut	4551b110222	1

- 55 962 spectra from 335 *Apo-Ident* customers from a total of 20 588 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Chickweed, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Chickweed, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	0	0	145 744
Type C	0	19	4	55 961

The substance/substance group *Chickweed, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8622 %)	82.6087 % (> 69.5652 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40310	40914	5.06	11.60
40914	40914	0.00	10.66
40953	40953	0.00	11.68

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Chlorella**
Substance class Drugs
Report date 04/07/2017
Report number 40442-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Chlorella; Chlorella powder

Special notes

When selecting the *Chlorella* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Chlorella*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
El Compra	Chlorella	WE13010018-01	40944	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 40 spectra of 1 reference samples from the substance/substance group *Chlorella*. These samples are listed above in the [calibration samples](#) section.
- 14 979 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 1 reference samples from the substance/substance group *Chlorella*.

Supplier	Substance	Batch	Sample ID	Spectra
Dr. Behr	Chlorella	WE11070078	40442	40

- 145 704 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Chlorella*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Chlorella* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Chlorella* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	40	0	14 979
Type B	0	2	38	145 704
Type C	0	0	0	55 985

The substance/substance group *Chlorella* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9369 %)	100.0000 % (> 85.0000 %)
Type B	100.0000 % (> 99.9861 %)	5.0000 % (≥ 0.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40944	40944	0.00	13.45

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Cinchona bark, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40685-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Cinchona bark, cut; Cinchonae cortex conc.; Cortex Chinae conc.

Special notes

When selecting the *Cinchona bark, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Cinchona bark, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Cinchona bark, cut	11238512	40685	40	1403463
Caelo	Cinchona bark, cut	13031007	40913	40	20130207
Caelo	Cinchona bark, cut	14009304	40987	40	AR-15-FG-007677-01
Caelo	Cinchona bark, cut	15301903	41290	40	AR-17-FG-007831-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Cinchona bark, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 332 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 60 spectra of 2 reference samples from the substance/substance group *Cinchona bark, cut*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Cinchona bark, cut	pending	40405	40
Caelo	Cinchona bark, cut	15301903	41290 [†]	20

- 145 684 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 3 spectra from 3 *Apo-Ident* customers from 3 batches from the substance/substance group *Cinchona bark, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Cinchona bark, cut	10381906	1
Klenk	Cinchona bark, cut	601B130415	1
Caelo	Cinchona bark, cut	11238512	1

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

- 55 982 spectra from 335 *Apo-Ident* customers from a total of 20 603 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Cinchona bark, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Cinchona bark, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	28	32	145 673
Type C	0	3	0	55 982

The substance/substance group *Cinchona bark, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9861 %)	46.6667 % (> 41.6667 %)
Type C	100.0000 % (> 99.8626 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40685	40685	0.00	15.91
40913	40987	2.42	21.54
40987	40987	0.00	19.43
41290	41290	0.00	23.72

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group	Cinnamon
Substance class	Drugs
Report date	04/07/2017
Report number	40246-2017-07-04
Executing company	HiperScan GmbH Weißeritzstraße 3 01067 Dresden Germany

Relevant substance names

Cinnamon; Ceylon cinnamon, finely powdered; Ceylonese Cinnamon, powdered (spice); Cinnamomi ceylanici cortex conc.; Cinnamomi ceylanici cortex plv. (Gewürz); Cinnamomi ceylanici cortex pulv. subt.; Cinnamon, (Ceylonese Cinnamon), cut; Cinnamon, cut; Cortex Cinnamomi (ceylanici) plv. (Gewürz); Cortex Cinnamomi ceylanici pulv. subt.; Cortex Cinnamomi conc.; True Cinnamon, finely powdered

Special notes

When selecting the *Cinnamon* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Cinnamon*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Cinnamon, cut	11221004	40246	40	AR-12-FG-008664-01
Caelo	Cinnamon, cut	zu erfassen	40403	40	pending

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Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Ceylon cinnamon,...	0614B120504	40511	40	1403047
Klenk	Ceylon cinnamon,...	0614B120504	40531	40	20120511
Caelo	Ceylonese Cinnam...	12242806	40562	40	1403083
Caelo	Cinnamon, cut	12309902	40574	40	pending
Caelo	Ceylonese Cinnam...	12242810	40891	40	pending
Caelo	Cinnamon, cut	13304414	41034	40	20130912
Caelo	Cinnamon, cut	14175010	41071	40	1505349
Caelo	Cinnamon, cut	16114401	41271	40	1704441

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 400 spectra of 10 reference samples from the substance/substance group *Cinnamon*. These samples are listed above in the [calibration samples](#) section.
- 14 619 spectra from a total of 328 batches from further 98 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 2 reference samples from the substance/substance group *Cinnamon*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Cinnamon, cut	14175010	41071 [†]	20
Caelo	Cinnamon, cut	16114401	41271 [†]	20

- 145 704 spectra from a total of 2515 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 40 spectra from 23 *Apo-Ident* customers from 28 batches from the substance/substance group *Cinnamon*.

Supplier	Substance	Batch	Spectra
Klenk	Ceylon cinnamon, finely powd. ...	614B120411	2
Klenk	Ceylon cinnamon, finely powd. ...	614B150422	1
Klenk	Ceylon cinnamon, finely powd. ...	614B151008	1
Caelo	Cinnamon, cut	13304415	1
Caelo	Cinnamon, cut	13304414	1
Klenk	Ceylon cinnamon, finely powd. ...	614a120411	1
Klenk	Ceylon cinnamon, finely powd. ...	614B121010	2
Klenk	Ceylon cinnamon, finely powd. ...	614B121024	4
Klenk	Ceylon cinnamon, finely powd. ...	614b121024	1
Caelo	Ceylonese Cinnamon, powdered. ...	12242806	2
Caelo	Ceylonese Cinnamon, powdered. ...	12242818	1
Caelo	Cinnamon, cut	13304401	2
china medica 14.06.2013	Cinnamon, cut	210842	1
Caelo	Cinnamon, cut	11357909	2
Caelo	Cinnamon, cut	11357912	2
Caelo	Cinnamon, cut	12309908	1
Caelo	Cinnamon, cut	12309909	1
Klenk	Cinnamon, cut	610A101018	1
Klenk	Cinnamon, cut	610A130927	1
gehe	Cinnamon, cut	13304412	1
Caelo	Cinnamon, cut	15151905	1
Akazie	Cinnamon, cut		1
Akazien-Apo	Cinnamon, cut	Test	1
Caelo	Ceylonese Cinnamon, powdered. ...	12242815	1
Caelo	Cinnamon, cut	12309902	3
Caelo	Cinnamon, cut	13231603	1
Caelo	Cinnamon, cut	13304402	2
Caelo	Cinnamon, cut	25111307	1

- 55 945 spectra from 335 *Apo-Ident* customers from a total of 20 582 batches from a further 681 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Cinnamon* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Cinnamon* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	400	0	14 619
Type B	0	40	0	145 678
Type C	0	27	13	55 945

The substance/substance group *Cinnamon* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9350 %)	100.0000 % (> 98.5000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 85.0000 %)
Type C	100.0000 % (> 99.8621 %)	67.5000 % (> 60.0000 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40246	40246	0.00	17.79
40403	40246	4.71	20.21
40511	40511	0.00	26.88
40531	40511	5.22	28.24
40562	40562	0.00	28.10
40574	40574	0.00	17.84
40891	40562	2.81	27.57
41034	40246	13.15	21.01
41071	41071	0.00	19.62
41271	41271	0.00	16.70

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Clove**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40216-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Clove; Caryophylli flos tot.; Flores Caryophylli tot.

Special notes

When selecting the *Clove* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Clove*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Clove	1260A110608	40216	40	20120913
Caelo	Clove	10242010	40237	40	AR-12-FG-008490-01
Caelo	Clove	12095805	40770	40	20120417

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Clove*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 1 reference samples from the substance/substance group *Clove*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Clove	1260A150916	41318	40

- 145 704 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 37 spectra from 19 *Apo-Ident* customers from 20 batches from the substance/substance group *Clove*.

Supplier	Substance	Batch	Spectra
Caelo	Clove	12095806	2
Klenk	Clove	1260A101223	2
Klenk	Clove	1260A120328	5
Klenk	Clove	1260A100617	2
Klenk	Clove	1260A110608	5
Klenk	Clove	1260A130903	2
Klenk	Clove	1260A150304	2

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Supplier	Substance	Batch	Spectra
Caelo	Clove	13371306	1
Caelo	Clove	13371309	1
Caelo	Clove	14057602	1
Klenk	Clove	PZN03485222	1
Caelo	Clove	11233305	1
Caelo	Clove	12095802	1
Caelo	Clove	12095807	4
Caelo	Clove	12266505	1
Fagron	Clove	1260A110608	1
Caelo	Clove	2010i-01450	1
Caelo	Clove	5398872	1
Klenk	Clove	A120328	1
Klenk	Clove	pzn03485222	1
Klenk	Clove	pzn3485222	1

- 55 948 spectra from 335 *Apo-Ident* customers from a total of 20 586 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Clove* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Clove* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	40	0	145 704
Type C	0	29	8	55 948

The substance/substance group *Clove* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 85.0000 %)
Type C	100.0000 % (> 99.8621 %)	78.3784 % (> 70.2703 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40216	40237	3.65	33.16
40237	40237	0.00	34.32
40770	40237	8.07	33.98

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Clove, powdered (spice)**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40768-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Clove, powdered (spice); Caryophylli flos plv. (Gewürz); Flores Caryophylli plv. (Gewürz)

Special notes

When selecting the *Clove, powdered (spice)* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Clove, powdered (spice)*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Clove, powdered ...	12355301	40768	40	1403054
Caelo	Clove, powdered ...	12355304	40889	40	pending
Klenk	Clove, powdered ...	1264B141007	41090	40	AR-15-FG-014858-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Clove, powdered (spice)*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Clove, powdered (spice)*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Clove, powdered (spice)	1264B141007	41090 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Clove, powdered (spice)*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Validation results

The validation runs checked whether the substance/substance group *Clove, powdered (spice)* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Clove, powdered (spice)* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	20	0	145 724
Type C	0	0	0	55 985

The substance/substance group *Clove, powdered (spice)* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40768	40768	0.00	32.82
40889	40768	5.06	33.53
41090	41090	0.00	33.07

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Coriander / Sweet fennel**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40226-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Coriander / Sweet fennel; Coriander; Coriandri fructus tot.; Foeniculi dulcis fructus tot.; Fructus Coriandri tot.; Fructus Foeniculi dulcis tot.; Sweet fennel

Special notes

When selecting the *Coriander / Sweet fennel* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Coriander / Sweet fennel*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Coriander	11088402	40226	40	20110411
Caelo	Coriander	11088402	40244	40	AR-12-FG-008489-01
Klenk	Sweet fennel	2870A110412	40569	40	pending
Caelo	Coriander	13299403	41026	40	1412548

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Coriander / Sweet fennel*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 333 batches from further 99 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 80 spectra of 2 reference samples from the substance/substance group *Coriander / Sweet fennel*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Coriander	12080904	40670	40
Klenk	Sweet fennel	2870A130304	40941	40

- 145 664 spectra from a total of 2515 batches from further 600 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 43 spectra from 27 *Apo-Ident* customers from 24 batches from the substance/substance group *Coriander / Sweet fennel*.

Supplier	Substance	Batch	Spectra
Fargron/Noweda	Sweet fennel	2870A150810	1
Klenk	Sweet fennel	2870A131002	1
Klenk	Sweet fennel	2870A140528	1

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Supplier	Substance	Batch	Spectra
Klenk	Sweet fennel	2870130304A	1
Klenk	Sweet fennel	2870A130304	1
Fagron	Sweet fennel	2870A130304	2
meltem	Sweet fennel		1
Caelo	Coriander	12080905	1
Klenk	Coriander	2790A121023	8
Bombastus	Coriander	263733	1
Caelo	Coriander	4091305	1
Caelo	Coriander	12080901	2
Noweda	Coriander	12080902	1
Caelo	Coriander	12080906	1
Noweda	Coriander	13010302	1
Caelo	Coriander	13010302	3
Caelo	Coriander	14031316	1
Caesar/Noweda	Coriander	2010M-01539	1
Klenk	Coriander	2709A130129	1
Caelo	Coriander	9285707	1
Klenk	Coriander	A121023	3
Gehe 08.03.13	Coriander	12080906	1
Caelo	Coriander	13010304	1
Caelo	Coriander	13010306	2
PHÖNIX 05.06.2013	Coriander	13010304	1
Caelo	Coriander	27061305	1
Hirsch	Coriander	2790A121023	1
Klenk	Coriander	2790a121023	1
Klenk	Coriander	2790A130129	1

- 55 942 spectra from 335 *Apo-Ident* customers from a total of 20 582 batches from a further 682 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Coriander* / *Sweet fennel* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Coriander* / *Sweet fennel* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	28	52	145 664
Type C	0	16	27	55 942

The substance/substance group *Coriander* / *Sweet fennel* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9861 %)	35.0000 % (> 31.2500 %)
Type C	100.0000 % (> 99.8621 %)	37.2093 % (> 30.2326 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40226	40244	7.93	24.41
40244	40244	0.00	21.61
40569	40569	0.00	14.56
41026	41026	0.00	19.00

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Cottonwood bud, pounded**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40466-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Cottonwood bud, pounded; Gemmae Populi contus.; Populi gemmae contus.

Special notes

When selecting the *Cottonwood bud, pounded* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Cottonwood bud, pounded*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Cottonwood bud, ...	3266B101208	40466	40	20101209
Klenk	Cottonwood bud, ...	3266B130826	40951	40	1410178
Klenk	Cottonwood bud, ...	3266B150624	41095	40	20150701

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Cottonwood bud, pounded*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Cottonwood bud, pounded*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Cottonwood bud, pounded	3266B150624	41095 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Cottonwood bud, pounded*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Validation results

The validation runs checked whether the substance/substance group *Cottonwood bud, pounded* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Cottonwood bud, pounded* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	20	0	145 724
Type C	0	0	0	55 985

The substance/substance group *Cottonwood bud, pounded* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40466	40951	5.83	39.39
40951	40951	0.00	43.10
41095	40951	2.50	43.53

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Cowberry extract 6:1**
Substance class Drugs
Report date 04/07/2017
Report number 40276-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Cowberry extract 6:1; Extractum vitis-ideae 6:1; Lingonberry extract 6:1; Vitis-ideae extr. 6:1

Special notes

When selecting the *Cowberry extract 6:1* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Cowberry extract 6:1*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Safic-Alcan	Cowberry extract...	17320/01	40276	40	AR-12-FG-008822-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 40 spectra of 1 reference samples from the substance/substance group *Cowberry extract 6:1*. These samples are listed above in the [calibration samples](#) section.
- 14 979 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Cowberry extract 6:1*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 2 spectra from 1 *Apo-Ident* customers from 2 batches from the substance/substance group *Cowberry extract 6:1*.

Supplier	Substance	Batch	Spectra
Anzag	Cowberry extract 6:1	20206/01	1
Extrakt Chemie	Cowberry extract 6:1	17320/01	1

- 55 983 spectra from 335 *Apo-Ident* customers from a total of 20 604 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Cowberry extract 6:1* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Cowberry extract 6:1* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	40	0	14 979
Type B	0	0	0	145 744
Type C	0	0	2	55 983

The substance/substance group *Cowberry extract 6:1* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9369 %)	100.0000 % (> 85.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8628 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40276	40276	0.00	15.15

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Curcuma extract 95%**
Substance class Drugs
Report date 04/07/2017
Report number 40277-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Curcuma extract 95%; Curcumae extr. 95%; Extractum curcumae 95%; Turmeric extract 95%

Special notes

When selecting the *Curcuma extract 95%* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Curcuma extract 95%*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Euro OTC	Curcuma extract ...	L1107001	40277	40	20110720
Euro OTC	Curcuma extract ...	L1107001	40365	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 80 spectra of 2 reference samples from the substance/substance group *Curcuma extract 95%*. These samples are listed above in the [calibration samples](#) section.
- 14 939 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 60 spectra of 1 reference samples from the substance/substance group *Curcuma extract 95%*.

Supplier	Substance	Batch	Sample ID	Spectra
Euro OTC	Curcuma extract 95%	L1408013	41078	60

- 145 684 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 1 spectra from 1 *Apo-Ident* customers from 1 batches from the substance/substance group *Curcuma extract 95%*.

Supplier	Substance	Batch	Spectra
Euro OTC	Curcuma extract 95%	L1107001	1

- 55 984 spectra from 335 *Apo-Ident* customers from a total of 20 605 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are docu-

mented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Curcuma extract 95%* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Curcuma extract 95%* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	80	0	14 939
Type B	0	0	60	145 684
Type C	0	0	1	55 984

The substance/substance group *Curcuma extract 95%* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9359 %)	100.0000 % (> 92.5000 %)
Type B	100.0000 % (> 99.9861 %)	0.0000 % ($\geq$ 0.0000 %)
Type C	100.0000 % (> 99.8635 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40277	40365	9.38	246.15
40365	40365	0.00	244.21

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Dill herb, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40572-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Dill herb, cut; Anethi herba conc.; Herba Anethi conc.

Special notes

When selecting the *Dill herb, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Dill herb, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Dill herb, cut	11295103	40572	40	20111103
Caelo	Dill herb, cut	11295107	40591	40	pending
Caelo	Dill herb, cut	13007602	40865	40	1402204
Caelo	Dill herb, cut	13007610	41032	40	20130208

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Dill herb, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 332 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Dill herb, cut*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 7 spectra from 5 *Apo-Ident* customers from 7 batches from the substance/substance group *Dill herb, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Dill herb, cut	13007608	1
Caelo	Dill herb, cut	13007601	1
Caelo	Dill herb, cut	13007605	1
Klenk	Dill herb, cut	3531B110726	1
Caelo	Dill herb, cut	11295109	1
Caelo	Dill herb, cut	13007602	1
Bombastus	Dill herb, cut	50836505	1

- 55 978 spectra from 335 *Apo-Ident* customers from a total of 20 599 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#),

the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Dill herb, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Dill herb, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	0	0	145 744
Type C	0	3	4	55 978

The substance/substance group *Dill herb, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8623 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40572	40591	6.71	13.34
40591	40591	0.00	12.40
40865	40865	0.00	13.31
41032	40865	3.83	12.83

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Dittany root / Zedoary root**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40156-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Dittany root / Zedoary root; Dictamni albi radix conc.; Fraxinella root, cut; Radix Dictamni albi conc.; Rhizoma Zedoariae plv.; Zedoariae rhizoma plv.; Zedoary root, powdered

Special notes

When selecting the *Dittany root / Zedoary root* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Dittany root / Zedoary root*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Zedoary root, po...	6944B080904	40156	50	pending
Caelo	Zedoary root, po...	12344601	40734	40	1403489
Caelo	Fraxinella root,...	10189103	40792	40	20100804
Galke	Fraxinella root,...	17805	40871	40	pending
Caelo	Zedoary root, po...	13165501	40905	40	pending

continued on the next page

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Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Fraxinella root,...	11314705	40909	40	pending
Caelo	Fraxinella root,...	11314705	40945	80	20111115
Caelo	Fraxinella root,...	14110802	41065	40	20140428
Caelo	Zedoary root, po...	14249001	41077	40	20141008

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 410 spectra of 9 reference samples from the substance/substance group *Dittany root* / *Zedoary root*. These samples are listed above in the [calibration samples](#) section.
- 14 609 spectra from a total of 328 batches from further 99 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 2 reference samples from the substance/substance group *Dittany root* / *Zedoary root*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Fraxinella root, cut	14110802	41065 [†]	20
Caelo	Zedoary root, powdered	14249001	41077 [†]	20

- 145 704 spectra from a total of 2515 batches from further 600 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

- 11 spectra from 8 *Apo-Ident* customers from 7 batches from the substance/substance group *Dittany root / Zedoary root*.

Supplier	Substance	Batch	Spectra
Caelo	Fraxinella root, cut	11314702	1
Caelo	Zedoary root, powdered	13165504	4
Caelo	Zedoary root, powdered	15277101	1
Caelo	Zedoary root, powdered	12007504	1
Klenk	Zedoary root, powdered	12007505	1
Caelo	Zedoary root, powdered	12344605	1
Caelo	Zedoary root, powdered	13165501	2

- 55 974 spectra from 335 *Apo-Ident* customers from a total of 20 599 batches from a further 682 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Dittany root / Zedoary root* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Dittany root / Zedoary root* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	410	0	14 609
Type B	0	40	0	145 581
Type C	0	8	3	55 972

The substance/substance group *Dittany root / Zedoary root* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9350 %)	100.0000 % (> 98.5366 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 85.0000 %)
Type C	100.0000 % (> 99.8623 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40156	40156	0.00	30.56
40734	40734	0.00	28.02
40792	40909	5.38	22.63
40871	40909	11.59	23.45
40905	40905	0.00	23.04
40909	40909	0.00	18.13
40945	40909	1.69	15.89
41065	40905	10.41	21.67
41077	40905	3.85	18.53

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Elder berries**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40817-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Elder berries; Fructus Sambuci tot.; Sambuci fructus tot.

Special notes

When selecting the *Elder berries* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Elder berries*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Elder berries	12267807	40817	40	1403466
Klenk	Elder berries	3010A120202	40854	40	pending
Caelo	Elder berries	13367704	40983	40	1410179

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Elder berries*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Elder berries*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 5 spectra from 5 *Apo-Ident* customers from 3 batches from the substance/substance group *Elder berries*.

Supplier	Substance	Batch	Spectra
Gutenberg-Apotheke	Elder berries	3010N120921	1
Klenk	Elder berries	3010N120921	2
Caelo	Elder berries	12267801	1
Gehe	Elder berries	12267807	1

- 55 980 spectra from 335 *Apo-Ident* customers from a total of 20 603 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Elder berries* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Elder berries* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	0	0	145 744
Type C	0	4	1	55 980

The substance/substance group *Elder berries* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8624 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40817	40817	0.00	17.07
40854	40854	0.00	17.57
40983	40983	0.00	12.48

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Fenugreek, powdered**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40283-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Fenugreek, powdered; Semen Foenugraeci plv.; Trigonellae foenugraeci semen plv.

Special notes

When selecting the *Fenugreek, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Fenugreek, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Fenugreek, powde...	12149605	40650	40	20120629
Klenk	Fenugreek, powde...	7264B130205	40952	40	1408080
Klenk	Fenugreek, powde...	7264A151001	41233	40	AR-16-FG-014493-01
Caelo	Fenugreek, powde...	15308704	41288	40	AR-17-FG-006625-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Fenugreek, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 332 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 160 spectra of 5 reference samples from the substance/substance group *Fenugreek, powdered*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Fenugreek, powdered	11042303	40283	40
Caelo	Fenugreek, powdered	11042302	40336	40
Caelo	Fenugreek, powdered	11042306	40375	40
Klenk	Fenugreek, powdered	7264A151001	41233 [†]	20
Caelo	Fenugreek, powdered	15308704	41288 [†]	20

- 145 584 spectra from a total of 2512 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 24 spectra from 13 *Apo-Ident* customers from 13 batches from the substance/substance group *Fenugreek, powdered*.

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Supplier	Substance	Batch	Spectra
Caelo	Fenugreek, powdered	13398302	1
Caelo	Fenugreek, powdered	14057801	1
Caelo	Fenugreek, powdered	14057807	1
Caelo	Fenugreek, powdered	14377201	2
Caelo	Fenugreek, powdered	15308703	2
Ichthyol/Phoenix	Fenugreek, powdered	14377205	1
Klenk	Fenugreek, powdered	A110201	1
Fagron	Fenugreek, powdered	12149603	1
Caelo	Fenugreek, powdered	12149605	1
Nachprüfung	Fenugreek, powdered	2412E02239	1
Caelo	Fenugreek, powdered	12149607	2
Klenk	Fenugreek, powdered	7264A110201	6
Phönix	Fenugreek, powdered	7264A110201	2
Klenk	Fenugreek, powdered	7264a110201	2

- 55 961 spectra from 335 *Apo-Ident* customers from a total of 20 594 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Fenugreek, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Fenugreek, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	55	105	145 584
Type C	0	6	18	55 961

The substance/substance group *Fenugreek, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9861 %)	34.3750 % (> 32.5000 %)
Type C	100.0000 % (> 99.8622 %)	25.0000 % (> 12.5000 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40650	41288	11.76	33.03
40952	40952	0.00	23.37
41233	41233	0.00	18.43
41288	41288	0.00	31.75

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Flax weed herb / Violet herb**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40074-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Flax weed herb / Violet herb; Flax weed herb, cut; Garden violet, cut; Herba Herniariae conc.; Herba Violae odoratae conc.; Herniariae herba conc.; Violae odoratae herba conc.

Special notes

When selecting the *Flax weed herb / Violet herb* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Flax weed herb / Violet herb*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Flax weed herb, ...	09346401	40074	30	pending
Caelo	Garden violet, cut	10292002	40712	40	pending
Caelo	Flax weed herb, ...	13007505	40864	40	1403462
Caelo	Garden violet, cut	13038703	40900	40	1403481
Caelo	Garden violet, cut	13232103	40974	40	20130821
Caelo	Flax weed herb, ...	14005309	41082	40	20140203

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 230 spectra of 6 reference samples from the substance/substance group *Flax weed herb / Violet herb*. These samples are listed above in the [calibration samples](#) section.
- 14 789 spectra from a total of 330 batches from further 99 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 60 spectra of 2 reference samples from the substance/substance group *Flax weed herb / Violet herb*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Garden violet, cut	8061209	40360	40
Caelo	Flax weed herb, cut	14005309	41082 [†]	20

- 145 684 spectra from a total of 2515 batches from further 600 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 46 spectra from 22 *Apo-Ident* customers from 19 batches from the substance/substance group *Flax weed herb / Violet herb*.

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Supplier	Substance	Batch	Spectra
Caelo	Flax weed herb, cut	13007507	7
Caelo	Flax weed herb, cut	14005303	1
Caelo	Flax weed herb, cut	14005305	2
Klenk	Flax weed herb, cut	4011B131115	3
Caelo	Flax weed herb, cut	11104505	1
Caelo	Flax weed herb, cut	11104507	11
Caelo	Flax weed herb, cut	13007502	2
Caelo	Flax weed herb, cut	13007505	1
Klenk	Flax weed herb, cut	4011B121207	2
Caelo	Garden violet, cut	11124007-3284310662	1
Caelo	Garden violet, cut	13038703	3
Caelo	Garden violet, cut	1303872	1
Caelo	Garden violet, cut	1021308	1
Caelo	Garden violet, cut	10291007	1
Caelo	Garden violet, cut	11124007	1
Caelo	Garden violet, cut	11124008	2
Caelo	Garden violet, cut	13038701	4
Caelo	Garden violet, cut	13232107	1
Caelo	Garden violet, cut	10011403	1

- 55 939 spectra from 335 *Apo-Ident* customers from a total of 20 588 batches from a further 682 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Flax weed herb* / *Violet herb* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Flax weed herb* / *Violet herb* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	230	0	14 789
Type B	0	59	1	145 684
Type C	0	33	13	55 939

The substance/substance group *Flax weed herb* / *Violet herb* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9352 %)	100.0000 % (> 97.3913 %)
Type B	100.0000 % (> 99.9861 %)	98.3333 % (> 93.3333 %)
Type C	100.0000 % (> 99.8621 %)	71.7391 % (> 65.2174 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40074	40074	0.00	18.15
40712	40712	0.00	15.16
40864	40864	0.00	29.02
40900	40900	0.00	12.67
40974	40900	10.94	20.83
41082	40864	11.20	22.77

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Frankincense**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40279-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Frankincense; Olibanum in granis

Special notes

When selecting the *Frankincense* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Frankincense*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Frankincense	10054608	40279	40	20100312
Caelo	Frankincense	100546	40369	40	20100312
Caelo	Frankincense	zu erfassen	40483	40	pending
Caelo	Frankincense	10349210	40509	40	20101216
Caelo	Frankincense	12120005	40684	40	1402495
Caelo	Frankincense	13112801	40922	40	20130503

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 240 spectra of 6 reference samples from the substance/substance group *Frankincense*. These samples are listed above in the [calibration samples](#) section.
- 14 779 spectra from a total of 331 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Frankincense*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 43 spectra from 17 *Apo-Ident* customers from 23 batches from the substance/substance group *Frankincense*.

Supplier	Substance	Batch	Spectra
Fagron	Frankincense		1
Caelo	Frankincense	13112801	5
Caelo	Frankincense	13112809	2
Fiebig	Frankincense	10349213	2
Caelo	Frankincense	10349213	1
Gehe	Frankincense	12120002	1
Caelo	Frankincense	12120005	4
Caelo	Frankincense	12120012-3421310191	1
Caelo	Frankincense	13112803-3494411030	1
Caelo	Frankincense	13112807	1
Caelo	Frankincense	14107803	2
Caelo	Frankincense	4614M-02030	1

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Supplier	Substance	Batch	Spectra
Caelo	Frankincense	100546	1
Caelo	Frankincense	10349210	1
Euro OTC	Frankincense	10349212	2
Caelo	Frankincense	1210001	1
Caelo	Frankincense	12120006	3
Caelo	Frankincense	1210005	1
Fagron	Frankincense	12120005	1
Caelo	Frankincense	12120007	1
Caelo	Frankincense	12120008	2
vedono	Frankincense	12120009	5
vedono	Frankincense	12120012	1
Caelo	Frankincense	13112803	1
Gahlke	Frankincense	21949	1

- 55 942 spectra from 335 *Apo-Ident* customers from a total of 20 584 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Frankincense* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Frankincense* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	240	0	14 779
Type B	0	0	0	145 744
Type C	0	40	3	55 942

The substance/substance group *Frankincense* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9352 %)	100.0000 % (> 97.5000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	93.0233 % (> 86.0465 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40279	40684	6.36	61.41
40369	40684	21.39	54.68
40483	40684	12.05	61.91
40509	40684	19.74	56.41
40684	40684	0.00	65.07
40922	40684	15.50	58.05

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Frankincense extract 80%**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40280-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Frankincense extract 80%; Boswellia serrata extr. 80%; Extractum boswellia serrata 80%; Indian Frankincense extract 80%

Special notes

When selecting the *Frankincense extract 80%* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Frankincense extract 80%*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Euro OTC	Frankincense ext...	1308020-01	41072	40	8958
Euro OTC	Frankincense ext...	1602008	41224	40	20160215*
Euro OTC	Frankincense ext...	1602008	41314	40	20160215*
Euro OTC	Frankincense ext...	1611023-01	41315	40	9889

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Frankincense extract 80%*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 160 spectra of 6 reference samples from the substance/substance group *Frankincense extract 80%*.

Supplier	Substance	Batch	Sample ID	Spectra
Euro OTC	Frankincense extract 80%	1104005.01	40280	40
Euro OTC	Frankincense extract 80%	1104005-01	40368	40
Euro OTC	Frankincense extract 80%	1308020-01	41072 [†]	20
Euro OTC	Frankincense extract 80%	1602008	41224 [†]	20
Euro OTC	Frankincense extract 80%	1602008	41314 [†]	20
Euro OTC	Frankincense extract 80%	1611023-01	41315 [†]	20

- 145 584 spectra from a total of 2512 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

*The spectra were taken from a part of the same sample which the supplier used for its analysis (identity, purity, content). In this case the manufacturer certificates proof the identity and quality of the sample from those the spectra descend.

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

- 4 spectra from 2 *Apo-Ident* customers from 3 batches from the substance/substance group *Frankincense extract 80%*.

Supplier	Substance	Batch	Spectra
Euro OTC	Frankincense extract 80%	1104005-01	1
Euro OTC	Frankincense extract 80%	1104005V-04	2
Euro OTC	Frankincense extract 80%	1112016-01	1

- 55 981 spectra from 335 *Apo-Ident* customers from a total of 20 603 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Frankincense extract 80%* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Frankincense extract 80%* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	60	100	145 584
Type C	0	0	4	55 981

The substance/substance group *Frankincense extract 80%* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9861 %)	37.5000 % (> 35.6250 %)
Type C	100.0000 % (> 99.8625 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
41072	41072	0.00	166.73
41224	41224	0.00	200.39
41314	41314	0.00	190.62
41315	41315	0.00	173.47

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Galangal root**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40316-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Galangal root; Galangae rhizoma; Rhizoma Galangae

Special notes

When selecting the *Galangal root* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Galangal root*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Galangal root	11196506	40316	40	pending
Caelo	Galangal root	11048908	40328	40	20110311
Caelo	Galangal root	12125001	40653	40	20120516
Caelo	Galangal root	11375904	40806	40	20120109
Caelo	Galangal root	12330305	40898	40	1403491
Caelo	Galangal root	11375909	40899	40	1403324
Caelo	Galangal root	12330308	40997	40	20121203
Caelo	Galangal root	14159504	41087	40	1511617

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 320 spectra of 8 reference samples from the substance/substance group *Galangal root*. These samples are listed above in the [calibration samples](#) section.
- 14 699 spectra from a total of 328 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Galangal root*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Galangal root	14159504	41087 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 12 spectra from 9 *Apo-Ident* customers from 8 batches from the substance/substance group *Galangal root*.

Supplier	Substance	Batch	Spectra
Caelo	Galangal root	12125004	3

continued on the next page

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

continued from previous page

Supplier	Substance	Batch	Spectra
Caelo	Galangal root	13341105	1
Caelo	Galangal root	15128008	1
Caelo	Galangal root	1215004	1
Caelo	Galangal root	12330303	1
Caelo	Galangal root	12330305	2
Caelo	Galangal root	12330306	2
Caelo	Galangal root	11375904	1

- 55 973 spectra from 335 *Apo-Ident* customers from a total of 20 598 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Galangal root* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Galangal root* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	320	0	14 699
Type B	0	20	0	145 724
Type C	0	10	2	55 973

The substance/substance group *Galangal root* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9351 %)	100.0000 % (> 98.1250 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40316	40316	0.00	17.63
40328	40898	11.70	28.15
40653	40898	12.64	26.53
40806	40899	6.23	17.67
40898	40898	0.00	26.91
40899	40899	0.00	19.69
40997	40898	4.43	27.33
41087	41087	0.00	13.66

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Ginger, peeled, powdered**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40247-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Ginger, peeled, powdered; Rhizoma Zingiberis mund. pulv. subt.; Zingiberis rhizoma mund. pulv. subt.

Special notes

When selecting the *Ginger, peeled, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Ginger, peeled, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Ginger, peeled, ...	6554B100409	40247	40	AR-12-FG-008593-01
Klenk	Ginger, peeled, ...	6954B140724	41085	40	AR-15-FG-014915-01
Klenk	Ginger, peeled, ...	6954B150325	41097	40	1606616
Klenk	Ginger, peeled, ...	6954B160429	41281	40	1704440

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Ginger, peeled, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 332 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 60 spectra of 3 reference samples from the substance/substance group *Ginger, peeled, powdered*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Ginger, peeled, powdered	6954B140724	41085 [†]	20
Klenk	Ginger, peeled, powdered	6954B150325	41097 [†]	20
Klenk	Ginger, peeled, powdered	6954B160429	41281 [†]	20

- 145 684 spectra from a total of 2514 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 9 spectra from 7 *Apo-Ident* customers from 6 batches from the substance/substance group *Ginger, peeled, powdered*.

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Supplier	Substance	Batch	Spectra
Caelo	Ginger, peeled, powdered	12164901	1
kräuter schulte	Ginger, peeled, powdered	6954B121030	1
Klenk	Ginger, peeled, powdered	6954B121030	1
Klenk	Ginger, peeled, powdered	6954B130418	2
Klenk	Ginger, peeled, powdered	B121030	2
Caelo	Ginger, peeled, powdered	12164911	1
Klenk	Ginger, peeled, powdered	6954B110801	1

- 55 976 spectra from 335 *Apo-Ident* customers from a total of 20 600 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Ginger, peeled, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Ginger, peeled, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	60	0	145 684
Type C	0	1	8	55 976

The substance/substance group *Ginger, peeled, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 90.0000 %)
Type C	100.0000 % (> 99.8623 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40247	40247	0.00	12.50
41085	41085	0.00	16.22
41097	41097	0.00	9.31
41281	41281	0.00	11.61

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Ginkgo extract**
Substance class Drugs
Report date 04/07/2017
Report number 20802-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Ginkgo extract; Extractum Ginkgo bilobae e Fol. Sicc. (60% Aceton)

Special notes

When selecting the *Ginkgo extract* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Ginkgo extract*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Ginkgo extract	12192505	20802	40	1403672

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 40 spectra of 1 reference samples from the substance/substance group *Ginkgo extract*. These samples are listed above in the [calibration samples](#) section.
- 14 979 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Ginkgo extract*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Ginkgo extract*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Ginkgo extract* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Ginkgo extract* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	40	0	14 979
Type B	0	0	0	145 744
Type C	0	0	0	55 985

The substance/substance group *Ginkgo extract* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9369 %)	100.0000 % (> 85.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
20802	20802	0.00	63.79

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Ginkgo leaf, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40489-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Ginkgo leaf, cut; Folia Ginkgo bilobae conc.; Ginkgo bilobae folium conc.

Special notes

When selecting the *Ginkgo leaf, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Ginkgo leaf, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Ginkgo leaf, cut	12151703	40489	40	1403707
Caelo	Ginkgo leaf, cut	12151703	40695	40	20120613
Caelo	Ginkgo leaf, cut	13340904	40957	40	1411088
Caelo	Ginkgo leaf, cut	13340907	41086	40	20131028

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Ginkgo leaf, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Ginkgo leaf, cut*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Ginkgo leaf, cut	13340907	41086 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 30 spectra from 17 *Apo-Ident* customers from 16 batches from the substance/substance group *Ginkgo leaf, cut*.

Supplier	Substance	Batch	Spectra
Klenk	Ginkgo leaf, cut	2461A100429	9
Caelo	Ginkgo leaf, cut	12121703	1
Caelo	Ginkgo leaf, cut	12151703	1
Caelo	Ginkgo leaf, cut	12373604	3

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[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Großhandel	Ginkgo leaf, cut	12373604	1
Caelo	Ginkgo leaf, cut	13340901	1
Fiebig	Ginkgo leaf, cut	13340902	1
Caelo	Ginkgo leaf, cut	13340904	1
Caelo	Ginkgo leaf, cut	13340906	1
Caelo	Ginkgo leaf, cut	13340907	1
Caelo	Ginkgo leaf, cut	15077407	1
Caelo	Ginkgo leaf, cut	12151707	2
Caelo	Ginkgo leaf, cut	12151709	2
Caelo	Ginkgo leaf, cut	10315510	1
Caelo	Ginkgo leaf, cut	1513E-02841	1
Nachprüfung	Ginkgo leaf, cut	2461A100429	1
Klenk	Ginkgo leaf, cut	2461B111108	1
Caelo	Ginkgo leaf, cut		1

- 55 955 spectra from 335 *Apo-Ident* customers from a total of 20 591 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Ginkgo leaf, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Ginkgo leaf, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	20	0	145 724
Type C	0	22	8	55 955

The substance/substance group *Ginkgo leaf, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	73.3333 % (> 63.3333 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40489	40489	0.00	11.57
40695	40489	4.00	14.52
40957	40957	0.00	20.08
41086	40957	1.30	19.90

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Guaiacum wood, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40325-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Guaiacum wood, cut; Guaiaci lignum conc.; Lignum Guajaci conc.

Special notes

When selecting the *Guaiacum wood, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Guaiacum wood, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Guaiacum wood, cut	10143017	40325	40	20100622
Caelo	Guaiacum wood, cut	11352001	40611	40	1406340
Caelo	Guaiacum wood, cut	11352012	40903	40	20111222
Caelo	Guaiacum wood, cut	13343802	40986	40	20131113

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Guaiacum wood, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 332 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Guaiacum wood, cut*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 8 spectra from 7 *Apo-Ident* customers from 8 batches from the substance/substance group *Guaiacum wood, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Guaiacum wood, cut	8041401	1
Caelo	Guaiacum wood, cut	14008203	1
Caelo	Guaiacum wood, cut	10143014	1
Caelo	Guaiacum wood, cut	11352001	1
Caelo	Guaiacum wood, cut	11352008	1
Caelo	Guaiacum wood, cut	4011M-01778	1
Caelo	Guaiacum wood, cut		1
Caelo	Guaiacum wood, cut	11352012	1

- 55 977 spectra from 335 *Apo-Ident* customers from a total of 20 599 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are docu-

mented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Guaiacum wood, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Guaiacum wood, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	0	0	145 744
Type C	0	8	0	55 977

The substance/substance group *Guaiacum wood, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8623 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40325	40611	7.14	32.38
40611	40611	0.00	21.32
40903	40611	3.81	27.19
40986	40611	17.84	31.53

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Hamamelis leaf, cut**
Substance class Drugs
Report date 04/07/2017
Report number 40390-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Hamamelis leaf, cut; Folia Hamamelidis conc.; Hamamelidis folium conc.; Witch hazel leaf, cut

Special notes

When selecting the *Hamamelis leaf, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Hamamelis leaf, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Hamamelis leaf, ...	10102915	40390	40	20100517
Caelo	Hamamelis leaf, ...	10102915	40759	40	20100517
Caelo	Hamamelis leaf, ...	13269902	40939	40	1405176
Caelo	Hamamelis leaf, ...	13269904	40975	40	20130924

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Hamamelis leaf, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 1 reference samples from the substance/substance group *Hamamelis leaf, cut*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Hamamelis leaf, cut	pending	40400	40

- 145 704 spectra from a total of 2517 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 16 spectra from 12 *Apo-Ident* customers from 11 batches from the substance/substance group *Hamamelis leaf, cut*.

Supplier	Substance	Batch	Spectra
Euro OTC	Hamamelis leaf, cut	12164805	1
Caelo	Hamamelis leaf, cut	12164804	2
Caelo	Hamamelis leaf, cut	12164802	1
Caelo	Hamamelis leaf, cut	13269902	2
Caelo	Hamamelis leaf, cut	13269904	1
Caelo	Hamamelis leaf, cut	13269905	1
Caelo	Hamamelis leaf, cut	14356103	1

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Supplier	Substance	Batch	Spectra
Klenk	Hamamelis leaf, cut	2051B110214	1
Klenk	Hamamelis leaf, cut	B110214	1
Caelo	Hamamelis leaf, cut	10102915	1
Caelo	Hamamelis leaf, cut	12164805	3
Caelo	Hamamelis leaf, cut	12165805	1

- 55 969 spectra from 335 *Apo-Ident* customers from a total of 20 595 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Hamamelis leaf, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Hamamelis leaf, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	40	0	145 704
Type C	0	16	0	55 969

The substance/substance group *Hamamelis leaf, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 85.0000 %)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40390	40939	5.87	24.76
40759	40939	10.58	19.26
40939	40939	0.00	26.09
40975	40939	12.13	21.54

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Iceland moss, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40174-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Iceland moss, cut; Lichen Islandicus conc.

Special notes

When selecting the *Iceland moss, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Iceland moss, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Iceland moss, cut	09355507	40174	40	20091209
Caelo	Iceland moss, cut	12187106	40926	40	1403493
Caelo	Iceland moss, cut	13350803	40964	40	20131114

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Iceland moss, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Iceland moss, cut*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 108 spectra from 55 *Apo-Ident* customers from 42 batches from the substance/substance group *Iceland moss, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Iceland moss, cut	12187104	6
Caelo	Iceland moss, cut	9052804	2
Caelo	Iceland moss, cut	12187109	5
Caelo	Iceland moss, cut	13350803	4
Gehe	Iceland moss, cut	13350805	1
Caelo	Iceland moss, cut	13350805	5
Caelo	Iceland moss, cut	13350807	5
Caelo	Iceland moss, cut	14304401	1
Caelo	Iceland moss, cut	14304402	1
Caelo	Iceland moss, cut	14304403	2
caesar&lorenz,Phönix	Iceland moss, cut	14304404	1
Caelo	Iceland moss, cut	14304409	2
Gehe	Iceland moss, cut	5191A130116	1
noweda	Iceland moss, cut		1

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Supplier	Substance	Batch	Spectra
Klenk	Iceland moss, cut	5191A140828	1
Caelo	Iceland moss, cut	11053916	1
Caelo	Iceland moss, cut	11101604	1
Noweda	Iceland moss, cut	11101602	1
Caelo	Iceland moss, cut	11101607	12
Caelo	Iceland moss, cut	12187002	3
Caelo	Iceland moss, cut	12187102	17
Caelo	Iceland moss, cut	12187106	3
Bombastus	Iceland moss, cut	12187108	1
Caelo	Iceland moss, cut	12187108	2
Caelo	Iceland moss, cut	12382806	1
Caelo	Iceland moss, cut		1
Gehe	Iceland moss, cut	11053915	1
Caelo	Iceland moss, cut	11053911	1
Gehe	Iceland moss, cut	11101605	1
Anzag ek: 15,60 20.07.2...	Iceland moss, cut	11101605	1
Caelo	Iceland moss, cut	11101606	2
Caelo	Iceland moss, cut	1218702	1
Caelo	Iceland moss, cut	12187101	2
Caelo	Iceland moss, cut	12187103	1
Phönix	Iceland moss, cut	12187104	1
PHÖNIX 05.06.2013	Iceland moss, cut	12187104	1
Caelo	Iceland moss, cut	12197002	1
Caelo	Iceland moss, cut	12198102	1
Galke	Iceland moss, cut	12369	1
Caelo	Iceland moss, cut	1287102	1
Caelo	Iceland moss, cut	14304404	1
Caelo	Iceland moss, cut	2811e-01774	1
	Iceland moss, cut	4711E-01774	1
Caelo	Iceland moss, cut	4912E-01774	2
Caelo	Iceland moss, cut	11101502	1
Caelo	Iceland moss, cut	11101601	1
Gehe	Iceland moss, cut	11101603	1
Caelo	Iceland moss, cut	11101603	1
Caelo	Iceland moss, cut	12187107	1
Klenk	Iceland moss, cut	5191A130116	1

- 55 877 spectra from 335 *Apo-Ident* customers from a total of 20 567 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Iceland moss, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Iceland moss, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	0	0	145 744
Type C	0	104	4	55 877

The substance/substance group *Iceland moss, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	96.2963 % (> 93.5185 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40174	40926	13.66	24.43
40926	40926	0.00	21.38
40964	40926	6.04	22.72

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Juniper, powdered**
Substance class Drugs
Report date 04/07/2017
Report number 40527-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Juniper, powdered; Fructus Juniperi pulv.; Juniperi pseudo-fructus pulv.

Special notes

When selecting the *Juniper, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Juniper, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Juniper, powdered	2894B100531	40527	40	pending
Klenk	Juniper, powdered	2894B130320	40947	40	1411362
Klenk	Juniper, powdered	2894B150922	41283	40	1704439

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Juniper, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 60 spectra of 2 reference samples from the substance/substance group *Juniper, powdered*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Juniper, powdered	5031207	40338	40
Klenk	Juniper, powdered	2894B150922	41283 [†]	20

- 145 684 spectra from a total of 2515 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Juniper, powdered*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Validation results

The validation runs checked whether the substance/substance group *Juniper, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Juniper, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	49	11	145 684
Type C	0	0	0	55 985

The substance/substance group *Juniper, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	81.6667 % (> 76.6667 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40527	40527	0.00	18.17
40947	40947	0.00	18.88
41283	41283	0.00	25.87

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Kelp, cut**
Substance class Drugs
Report date 04/07/2017
Report number 40422-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Kelp, cut; Fucus vel Ascophyllum conc.; Fucus vesiculosus conc.

Special notes

When selecting the *Kelp, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Kelp, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Bombastus	Kelp, cut	272383	40422	40	1406341
Caelo	Kelp, cut	11351105	40426	40	pending
Caelo	Kelp, cut	13230805	41025	40	AR-15-FG-007678-01
Caelo	Kelp, cut	15418801	41273	40	AR-17-FG-007505-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Kelp, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 332 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Kelp, cut*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Kelp, cut	15418801	41273 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 11 spectra from 10 *Apo-Ident* customers from 8 batches from the substance/substance group *Kelp, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Kelp, cut	11351111	1
Caelo	Kelp, cut	14071502	1
Caelo	Kelp, cut	11352209	1
Klenk	Kelp, cut	1051A110920	1

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[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Kelp, cut	11351109	1
Sanacorp	Kelp, cut	11351105	1
Caelo	Kelp, cut	1313E-01558	1
Caelo	Kelp, cut	280172	1
Bombastus	Kelp, cut	280172	2
Gehe	Kelp, cut	280172	1

- 55 974 spectra from 335 *Apo-Ident* customers from a total of 20 598 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Kelp, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Kelp, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	20	0	145 724
Type C	0	7	4	55 974

The substance/substance group *Kelp, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40422	40422	0.00	12.94
40426	40426	0.00	12.06
41025	41025	0.00	14.54
41273	41273	0.00	12.66

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Lapacho wood, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40311-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Lapacho wood, cut; Lignum Tabebuia; Tabebuiae cortex

Special notes

When selecting the *Lapacho wood, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Lapacho wood, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Lapacho wood, cut	11154503	40311	40	1403811
Caelo	Lapacho wood, cut	12239305	40916	40	20120831

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 80 spectra of 2 reference samples from the substance/substance group *Lapacho wood, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 939 spectra from a total of 334 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Lapacho wood, cut*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 17 spectra from 5 *Apo-Ident* customers from 9 batches from the substance/substance group *Lapacho wood, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Lapacho wood, cut	13298308	1
Caelo	Lapacho wood, cut	12239305	8
Caelo	Lapacho wood, cut	12239303	2
Caelo	Lapacho wood, cut	11154506	1
Caelo	Lapacho wood, cut	19061301	1
Klenk	Lapacho wood, cut	13298302	1
Caelo	Lapacho wood, cut	13298305	1
Caelo	Lapacho wood, cut	2x11154506	1
Kenk / Phoenix	Lapacho wood, cut	5161A110204	1

- 55 968 spectra from 335 *Apo-Ident* customers from a total of 20 597 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Lapacho wood, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Lapacho wood, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	80	0	14 939
Type B	0	0	0	145 744
Type C	0	9	8	55 968

The substance/substance group *Lapacho wood, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9359 %)	100.0000 % (> 92.5000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40311	40311	0.00	23.51
40916	40311	5.86	23.88

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Laurel leaf, powdered**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40470-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Laurel leaf, powdered; Folia Lauri pulv. subt.; Lauri folium pulv. subt.

Special notes

When selecting the *Laurel leaf, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Laurel leaf, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Laurel leaf, pow...	2124A110329	40470	40	20110405
Klenk	Laurel leaf, pow...	2124A110329	40942	40	1411032
Klenk	Laurel leaf, pow...	2124A110329	41061	40	20140310

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Laurel leaf, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Laurel leaf, powdered*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Laurel leaf, powdered	2124A110329	41061 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Laurel leaf, powdered*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Validation results

The validation runs checked whether the substance/substance group *Laurel leaf, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Laurel leaf, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	20	0	145 724
Type C	0	0	0	55 985

The substance/substance group *Laurel leaf, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40470	40942	8.97	18.87
40942	40942	0.00	13.39
41061	40942	2.82	14.52

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Linseed**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40017-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Linseed; Lini semen; Semen Lini

Special notes

When selecting the *Linseed* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Linseed*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Linseed	91729389	40017	70	F 2010 000 069
Klenk	Linseed	7308A100705	40194	30	20101021
Caelo	Linseed	12186902	40631	60	20120705
Caelo	Linseed	12092102	40634	60	20120402
Caelo	Linseed	13296703	40961	40	20131008
Caelo	Linseed	13412801	41031	40	20140113

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 300 spectra of 6 reference samples from the substance/substance group *Linseed*. These samples are listed above in the [calibration samples](#) section.
- 14 719 spectra from a total of 330 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 10 spectra of 1 reference samples from the substance/substance group *Linseed*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Linseed	7308A100705	40194 [†]	10

- 145 734 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 216 spectra from 64 *Apo-Ident* customers from 84 batches from the substance/substance group *Linseed*.

Supplier	Substance	Batch	Spectra
Caelo	Linseed	12321601	2
Caelo	Linseed	13262702	2

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[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Linseed	13296702	2
Klenk	Linseed	7300a130110	1
Klenk	Linseed	3707A140526	1
Klenk	Linseed	7300A130722	9
Klenk	Linseed	7307A130110	17
Klenk	Linseed	7300A141201	2
Klenk	Linseed	7307A130722	6
Phönix	Linseed	7307A111107	1
Klenk	Linseed	2002285	1
Erfurter Ölmühle	Linseed		1
Klenk	Linseed	903312240	1
Phoenix 27.03.2012	Linseed	11177302	1
Caelo	Linseed	11177305	1
Caelo	Linseed	11199003	1
Caelo	Linseed	11199006	2
Caelo	Linseed	11365504	1
Noweda	Linseed	11365504	1
Caelo	Linseed	11365507	3
Noweda	Linseed	11365507	1
Caelo	Linseed	11365508	1
Caelo	Linseed	12092102	4
Caelo	Linseed	12092103	3
Caelo	Linseed	12092104	2
Caelo	Linseed	12186901	2
Caelo	Linseed	1232006	1
Caelo	Linseed	12321602	4
Caelo	Linseed	12321604	3
Caelo	Linseed	12321606	2
Caelo	Linseed	12321607	1
Caelo	Linseed	12382002	2
Caelo	Linseed	12382004	3
Caelo	Linseed	12382006	2
Caelo	Linseed	13121207	1
Caelo	Linseed	13262703	3
Caelo	Linseed	13262704	2
Caelo	Linseed	1326703	2
Phonix	Linseed	13296703	1
Caelo	Linseed	13296703	2
Caelo	Linseed	13296705	4
Caelo	Linseed	13412804	1
Caelo	Linseed	15053702	1
Bombastus	Linseed	1610	1
Caelo	Linseed	15061201	1
Caelo	Linseed	15321902	1
Caelo	Linseed	18111302	1
Klenk	Linseed	1913Q-02240	1
Klenk	Linseed	1910212240	1
Akazie	Linseed		2
Bombastus	Linseed	269500	1
Bombastus	Linseed	274032	1
Bombastus	Linseed	278457	6
Caelo	Linseed	28051303	1
Caelo	Linseed	28051403	1
Bombastus	Linseed	282734	3
Bombastus	Linseed	295376	1
Caelo	Linseed	3213A-02240	1
Finze	Linseed	3607E-02240	1
Caelo	Linseed	4713U02240	1
Klenk	Linseed	5615003	1
Klenk	Linseed	7300A111107	6

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Supplier	Substance	Batch	Spectra
Klenk	Linseed	7300A100705	2
Klenk	Linseed	7300A130110	7
Maros/Phönix	Linseed	7300A130110	2
Akazie	Linseed	7300A141201	1
Klenk	Linseed	7307A111107	6
Klenk	Linseed	7307A121212	2
Klenk	Linseed	7307A131021	1
Klenk	Linseed	7307A131104	13
Klenk	Linseed	7307A150710	3
Klenk	Linseed	7307a131104	1
Kehr	Linseed	7307A111107	2
Noweda	Linseed	7307A111107	4
Klenk	Linseed	7307a111107	1
Klenk	Linseed	7307A-130110	1
Klenk	Linseed	7307A130124	2
Klenk	Linseed	7307A-130722	1
Phoenix	Linseed	7307A130722	1
Klenk	Linseed	7307A140526	2
Klenk	Linseed	7307A140605	1
Klenk	Linseed	7307A141201	4
Caelo	Linseed	7307A141201	2
Klenk	Linseed	7308A100705	1
Klenk	Linseed	7308A111107	5
Klenk	Linseed	7308A130110	5
Caelo	Linseed	7370A131104	2
Klenk	Linseed	737A130722	1
Klenk	Linseed	7397A140605	1
Klenk	Linseed	7500A140556	1
Klenk	Linseed	A130110	1
Anzag	Linseed	12137105	1
Caelo	Linseed	14262906	2
Caelo	Linseed	15006602	1

- 55 769 spectra from 335 *Apo-Ident* customers from a total of 20 525 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Linseed* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Linseed* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	300	0	14 719
Type B	0	0	10	145 734
Type C	0	201	15	55 769

The substance/substance group *Linseed* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9351 %)	100.0000 % (> 98.0000 %)
Type B	100.0000 % (> 99.9862 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	93.0556 % (> 91.6667 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40017	40017	0.00	43.97
40194	40017	8.45	46.52
40631	40017	9.70	55.33
40634	40017	8.36	62.00
40961	40017	12.16	57.19
41031	40017	10.37	59.15

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Liquorice**
Substance class Drugs
Report date 04/07/2017
Report number 40383-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Liquorice; Succus Liquiritiae

Special notes

When selecting the *Liquorice* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Liquorice*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Liquorice	11267801	40383	35	pending
Caelo	Liquorice	13262501	41019	40	pending
Caelo	Liquorice	13180904	41067	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 115 spectra of 3 reference samples from the substance/substance group *Liquorice*. These samples are listed above in the [calibration samples](#) section.
- 14 904 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 50 spectra of 3 reference samples from the substance/substance group *Liquorice*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Liquorice	11267801	40383 [†]	5
Caelo	Liquorice	14050601	41052	25
Caelo	Liquorice	13180904	41067 [†]	20

- 145 694 spectra from a total of 2514 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Liquorice*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#),

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Liquorice* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Liquorice* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	115	0	14 904
Type B	0	20	30	145 694
Type C	0	0	0	55 985

The substance/substance group *Liquorice* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9356 %)	100.0000 % (> 94.7826 %)
Type B	100.0000 % (> 99.9861 %)	40.0000 % (> 34.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40383	40383	0.00	61.56
41019	41019	0.00	24.04
41067	41067	0.00	27.22

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Long-stamen chive**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40548-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Long-stamen chive; *Alii chinensis* bulbos; *Allium macrostemon*; *Bulbus allii bakeri* tot.

Special notes

When selecting the *Long-stamen chive* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Long-stamen chive*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Kräuter Schulte	Long-stamen chive	50126	40935	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 40 spectra of 1 reference samples from the substance/substance group *Long-stamen chive*. These samples are listed above in the [calibration samples](#) section.
- 14 979 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 1 reference samples from the substance/substance group *Long-stamen chive*.

Supplier	Substance	Batch	Sample ID	Spectra
Kräuter Schulte	Long-stamen chive	10445	40548	40

- 145 704 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Long-stamen chive*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Long-stamen chive* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Long-stamen chive* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	40	0	14 979
Type B	0	27	13	145 704
Type C	0	0	0	55 985

The substance/substance group *Long-stamen chive* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9369 %)	100.0000 % (> 85.0000 %)
Type B	100.0000 % (> 99.9861 %)	67.5000 % (> 60.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40935	40935	0.00	15.28

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Mace, powdered (spice)**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40151-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Mace, powdered (spice); Macis plv. (Gewürz); Myristicae arillus plv. (Gewürz); Nutmeg flower, powdered (spice)

Special notes

When selecting the *Mace, powdered (spice)* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Mace, powdered (spice)*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Mace, powdered (...)	5214A090716	40151	50	pending
Caelo	Mace, powdered (...)	13132201	40866	40	pending
Caelo	Mace, powdered (...)	13132204	40888	40	pending
Caelo	Mace, powdered (...)	14256901	41064	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 170 spectra of 4 reference samples from the substance/substance group *Mace, powdered (spice)*. These samples are listed above in the [calibration samples](#) section.
- 14 849 spectra from a total of 332 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 80 spectra of 2 reference samples from the substance/substance group *Mace, powdered (spice)*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Mace, powdered (spice)	14256901	41064 [†]	20
Caelo	Mace, powdered (spice)	14256901	41091	60

- 145 664 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Mace, powdered (spice)*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#),

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Mace, powdered (spice)* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Mace, powdered (spice)* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	170	0	14 849
Type B	0	79	1	145 664
Type C	0	0	0	55 985

The substance/substance group *Mace, powdered (spice)* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9353 %)	100.0000 % (> 96.4706 %)
Type B	100.0000 % (> 99.9861 %)	98.7500 % (> 95.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40151	40151	0.00	34.32
40866	40888	4.06	14.09
40888	40888	0.00	13.91
41064	41064	0.00	22.96

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Maize style, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40001-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Maize style, cut; Maydis stipes conc.; Stipites Maydis conc.

Special notes

When selecting the *Maize style, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Maize style, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Maize style, cut	09074201	40001	70	F 2009 001 078
Caelo	Maize style, cut	10325902	40309	40	20101217
Klenk	Maize style, cut	5581A111206	40565	38	20111214
Caelo	Maize style, cut	10325906	40720	40	20101217
Bombastus	Maize style, cut	274920	40822	40	66662
Caelo	Maize style, cut	13381501	41017	40	20140103

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 268 spectra of 6 reference samples from the substance/substance group *Maize style, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 751 spectra from a total of 330 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 2 spectra of 1 reference samples from the substance/substance group *Maize style, cut*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Maize style, cut	5581A111206	40565 [†]	2

- 145 742 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 51 spectra from 28 *Apo-Ident* customers from 25 batches from the substance/substance group *Maize style, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Maize style, cut	11280405	9

continued on the next page

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Maize style, cut	13381603	1
Caelo	Maize style, cut	10325902	3
Caelo	Maize style, cut	10325906	7
Caelo	Maize style, cut	10325904	2
Caelo	Maize style, cut	10325907	3
Caelo	Maize style, cut	11280404	2
Bahnhof-Apotheke	Maize style, cut	20-121018	1
Richter	Maize style, cut	B189316	1
Klenk	Maize style, cut	A110411	1
Bombastus	Maize style, cut	282574	3
Bombastus	Maize style, cut	285912	1
Caelo	Maize style, cut	10325905	1
gehe 11.06.2013	Maize style, cut	10325907	1
Alliance Health 11.06.2...	Maize style, cut	11280405	1
	Maize style, cut	11280405	1
Caelo	Maize style, cut	13277201	1
Bombastus	Maize style, cut	276776	1
Caelo	Maize style, cut	13381501	1
Bombastus	Maize style, cut	271033	1
Anzag	Maize style, cut	274920	1
Caelo	Maize style, cut	3712Q-02333	1
Caelo	Maize style, cut	13277205	1
sanacorp	Maize style, cut	10034711	1
Aurica/Phönix	Maize style, cut	520901387	1
Klenk	Maize style, cut	5581A081204	1
Klenk	Maize style, cut	5581A111206	1
Anzag	Maize style, cut	10325905	1
Caelo	Maize style, cut	280363	1

- 55 934 spectra from 335 *Apo-Ident* customers from a total of 20 582 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Maize style, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Maize style, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	268	0	14 751
Type B	0	1	1	145 742
Type C	0	44	7	55 934

The substance/substance group *Maize style, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9351 %)	100.0000 % (> 97.7612 %)
Type B	100.0000 % (> 99.9870 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	86.2745 % (> 80.3922 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40001	40001	0.00	41.61
40309	40001	12.96	37.42
40565	40001	22.55	43.66
40720	40001	12.73	37.45
40822	40001	7.93	31.01
41017	40001	10.14	41.00

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Manna**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40060-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Manna; Manna cannellata conc.; Manna cannellata plv.; Manna conc.; Manna, cut; Manna, powdered

Special notes

When selecting the *Manna* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Manna*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Manna, cut	82063319	40060	80	F 2010 000 064
Caelo	Manna, powdered	11003608	40207	40	20110127
Caelo	Manna, cut	11308907	40659	60	20111117
Caelo	Manna, powdered	11308807	40897	40	1403534
Caelo	Manna, powdered	14001401	40967	40	20140115
Caelo	Manna, cut	13127007	40976	35	20130424

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 295 spectra of 6 reference samples from the substance/substance group *Manna*. These samples are listed above in the [calibration samples](#) section.
- 14 724 spectra from a total of 330 batches from further 99 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 5 spectra of 1 reference samples from the substance/substance group *Manna*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Manna, cut	13127007	40976 [†]	5

- 145 739 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 66 spectra from 40 *Apo-Ident* customers from 31 batches from the substance/substance group *Manna*.

Supplier	Substance	Batch	Spectra
Caelo	Manna, cut	13127003	6
Anzag ek:8.77EUR 30.08.12	Manna, cut	11308904	1

continued on the next page

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Manna, cut	11308901	2
Caelo	Manna, cut	11061404	1
Noweda	Manna, cut	5221A110817	1
Klenk	Manna, cut	5221A140210	4
Caelo	Manna, cut	11308904	3
Phönix Gotha	Manna, cut	11308904	1
Caelo	Manna, cut	11308907	6
Caelo	Manna, cut	11308909	1
Caesar/Noweda	Manna, cut	11308909	1
Caelo	Manna, cut	11308911	4
Caelo	Manna, cut	1308913	1
Caelo	Manna, cut	25111301	1
Caelo	Manna, cut	14001310	1
Klenk	Manna, cut	5221A120509	8
Caelo	Manna, cut	2713M-01843	1
Klenk	Manna, cut	5221A110314	1
Caelo	Manna, cut	5221A120509	1
Phoenix	Manna, cut	522A120509	1
Caelo	Manna, cut	11041401	1
Caelo	Manna, powdered	11308807	1
Caelo	Manna, cut	14001303	2
Caelo	Manna, powdered	14001402	1
Caelo	Manna, cut	25071403	1
Caelo	Manna, cut	28101404	1
Klenk	Manna, cut	5221A150107	1
Caelo	Manna, powdered	11003611	1
Noweda	Manna, powdered	11170102	1
Caelo	Manna, powdered	11071311	1
Caelo	Manna, powdered	11308802	2
Caelo	Manna, powdered	15101306	1
Caelo	Manna, powdered	15101312	1
Galke	Manna, powdered	19784	1
Galke	Manna, powdered	20669	1
Caelo	Manna, powdered	11308907	1
Caelo	Manna, powdered	11308909	1
Klenk	Manna, cut	5221A110817	1

- 55 919 spectra from 335 *Apo-Ident* customers from a total of 20 577 batches from a further 682 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Manna* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Manna* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	295	0	14 724
Type B	0	5	0	145 304
Type C	0	64	2	55 389

The substance/substance group *Manna* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9351 %)	100.0000 % (> 97.9661 %)
Type B	100.0000 % (> 99.9864 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	96.9697 % (> 92.4242 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40060	40060	0.00	59.47
40207	40897	5.97	56.54
40659	40060	4.48	56.93
40897	40897	0.00	58.03
40967	40897	9.20	55.10
40976	40060	4.38	59.05

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Myrrh**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40622-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Myrrh; Myrrha

Special notes

When selecting the *Myrrh* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Myrrh*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Myrrh	10057904	40092	40	pending
Caelo	Myrrh	11277111	40622	60	1403081
Caelo	Myrrh	12269901	40680	40	1403470
Klenk	Myrrh	3355B120628	40884	40	AR-15-FG-000945-01
Caelo	Myrrh	13108701	40919	40	AR-15-FG-000946-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 220 spectra of 5 reference samples from the substance/substance group *Myrrh*. These samples are listed above in the [calibration samples](#) section.
- 14 799 spectra from a total of 331 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Myrrh*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 34 spectra from 27 *Apo-Ident* customers from 25 batches from the substance/substance group *Myrrh*.

Supplier	Substance	Batch	Spectra
Caelo	Myrrh	11276806	2
Caelo	Myrrh	10057916	1
Caelo	Myrrh	11276811	2
Caelo	Myrrh	12305709	1
Sino Phyto	Myrrh	90001070	1
Caelo	Myrrh	12269913	1
Caelo	Myrrh	14244602	1
Caelo	Myrrh	28101401	1
Caelo	Myrrh	30121413	1
Klenk	Myrrh	3351A130902	1
Caelo	Myrrh	13108701	3
Caelo	Myrrh	25071404	1
Caelo	Myrrh	11277111	2
Caelo	Myrrh	12244404	1

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Supplier	Substance	Batch	Spectra
Caelo	Myrrh	12244406	1
Caelo	Myrrh	12244411	1
Klenk	Myrrh	3351A121004	1
ANZAG am 23.05.2012	Myrrh	11276806	1
Caelo	Myrrh	11276810	1
Caelo	Myrrh	11277105	1
Caelo	Myrrh	12269901	2
Caelo	Myrrh	12269904	3
Klenk	Myrrh	3351A100628	1
Klenk	Myrrh	3351A120514	1
Caelo	Myrrh		1
Caelo	Myrrh	12269907	1

- 55 951 spectra from 335 *Apo-Ident* customers from a total of 20 583 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Myrrh* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Myrrh* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	220	0	14 799
Type B	0	0	0	145 744
Type C	0	25	9	55 951

The substance/substance group *Myrrh* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9352 %)	100.0000 % (> 97.2727 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	73.5294 % (> 64.7059 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40092	40092	0.00	11.86
40622	40622	0.00	29.74
40680	40680	0.00	23.06
40884	40884	0.00	13.73
40919	40919	0.00	20.88

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Nutmeg, powdered (spice)**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40155-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Nutmeg, powdered (spice); Myristicae semen plv. (Gewürz); Semen Myristicae plv. (Gewürz)

Special notes

When selecting the *Nutmeg, powdered (spice)* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Nutmeg, powdered (spice)*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Nutmeg, powdered...	10085809	40155	50	pending
Caelo	Nutmeg, powdered...	13097204	40890	40	1403540
Klenk	Nutmeg, powdered...	7325A160405	41285	40	9888

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 130 spectra of 3 reference samples from the substance/substance group *Nutmeg, powdered (spice)*. These samples are listed above in the [calibration samples](#) section.
- 14 889 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Nutmeg, powdered (spice)*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Nutmeg, powdered (spice)	7325A160405	41285 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 11 spectra from 5 *Apo-Ident* customers from 8 batches from the substance/substance group *Nutmeg, powdered (spice)*.

Supplier	Substance	Batch	Spectra
Klenk	Nutmeg, powdered (spice)	7325A130304	1
Klenk	Nutmeg, powdered (spice)	7325A130515	1
Klenk	Nutmeg, powdered (spice)	A130304	2

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[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Nutmeg, powdered (spice)	12102305	2
Caelo	Nutmeg, powdered (spice)	12102306	1
Galke	Nutmeg, powdered (spice)	22739	1
Klenk	Nutmeg, powdered (spice)	7325A120903	2
Klenk	Nutmeg, powdered (spice)	7325a120903	1

- 55 974 spectra from 335 *Apo-Ident* customers from a total of 20 599 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Nutmeg, powdered (spice)* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Nutmeg, powdered (spice)* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	130	0	14 889
Type B	0	20	0	145 724
Type C	0	5	6	55 974

The substance/substance group *Nutmeg, powdered (spice)* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.3846 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40155	40155	0.00	22.23
40890	40890	0.00	14.98
41285	41285	0.00	14.35

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Oak bark, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40735-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Oak bark, cut; Cortex Quercus conc.; Quercus cortex conc.

Special notes

When selecting the *Oak bark, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Oak bark, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Oak bark, cut	11351207	40917	40	1403492
Caelo	Oak bark, cut	13360306	41035	40	20131203

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 80 spectra of 2 reference samples from the substance/substance group *Oak bark, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 939 spectra from a total of 334 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 150 spectra of 4 reference samples from the substance/substance group *Oak bark, cut*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Oak bark, cut	9357416	40115	30
Bombastus	Oak bark, cut	254077	40119	40
Caelo	Oak bark, cut	10348603	40370	40
Caelo	Oak bark, cut	10348617	40735	40

- 145 594 spectra from a total of 2513 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 201 spectra from 85 *Apo-Ident* customers from 74 batches from the substance/substance group *Oak bark, cut*.

Supplier	Substance	Batch	Spectra
Klenk	Oak bark, cut	761A110816	9
Caelo	Oak bark, cut	13360305	1
Caelo	Oak bark, cut	11351201	3
Caelo	Oak bark, cut	11351206	14

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Supplier	Substance	Batch	Spectra
Caelo	Oak bark, cut	11351207	12
Caelo	Oak bark, cut	11351207-3384310110	1
Caelo	Oak bark, cut	11351209	10
Bombastus	Oak bark, cut	279525	2
Caelo	Oak bark, cut	1081401	1
Alliance Health 10.02.2...	Oak bark, cut	761A110816	1
GEHE 10.03.2014	Oak bark, cut	761A11816	1
apomix/Phönix	Oak bark, cut	9357419	2
Caelo	Oak bark, cut	10061504	1
Caelo	Oak bark, cut	11351208	3
Caelo	Oak bark, cut	11351210	4
Berkel AHK	Oak bark, cut	11351210	1
Caelo	Oak bark, cut	123test	1
Berkel AHK	Oak bark, cut	13011905	1
Caelo	Oak bark, cut	13360302	5
Berkel AHK	Oak bark, cut	13360303	3
Caelo	Oak bark, cut	13360304	1
Caelo	Oak bark, cut	13360306	3
Caelo	Oak bark, cut	13360303	2
Caelo	Oak bark, cut	13360309	1
Berkel AHK	Oak bark, cut	13360310	1
Caelo	Oak bark, cut	13360311	1
Caelo	Oak bark, cut	13360312	1
Caelo	Oak bark, cut	14277004	4
Caelo	Oak bark, cut	15146101	2
Noweda	Oak bark, cut	15146101	1
Caelo	Oak bark, cut	15146103	1
Caelo	Oak bark, cut	15146104	4
Caelo	Oak bark, cut	15146105	5
Caelo	Oak bark, cut	15146109	1
Caelo	Oak bark, cut	15314904	1
Bombastus	Oak bark, cut	274611	3
Bombastus	Oak bark, cut	286297	1
Bombastus	Oak bark, cut	285327	3
Bombastus	Oak bark, cut	264301	2
Caelo	Oak bark, cut	3041301	1
Caelo	Oak bark, cut	5091302	1
Caelo	Oak bark, cut	7021302	1
Klenk	Oak bark, cut	761A090420	2
Caelo	Oak bark, cut	10348606	1
Phönix	Oak bark, cut	10348609	2
Caelo	Oak bark, cut	10348609	1
Caelo	Oak bark, cut	10348612	3
Caelo	Oak bark, cut	10348613	2
Caelo	Oak bark, cut	10348615	2
Anzag 21.12.12 ek:2,34	Oak bark, cut	10348616	2
Caelo	Oak bark, cut	10348616	4
Noweda	Oak bark, cut	10348617	1
Caelo	Oak bark, cut	10348617	9
Phönix	Oak bark, cut	11351202	1
Caelo	Oak bark, cut	11351202	4
Caelo	Oak bark, cut	11351203	2
Caelo	Oak bark, cut	11351205	4
Phoenix	Oak bark, cut	11351210	1
Caelo	Oak bark, cut	11351210	1
Caelo	Oak bark, cut	12221101	11
Caelo	Oak bark, cut	12221102	1
Caelo	Oak bark, cut	12221104	3
Caelo	Oak bark, cut	12221105	2
Caelo	Oak bark, cut	13360301	1

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Supplier	Substance	Batch	Spectra
Caelo	Oak bark, cut	14111316	1
Caelo	Oak bark, cut	16081305	1
Caelo	Oak bark, cut	15146110	1
Caelo	Oak bark, cut	17101208	1
Bahnhof-Apotheke	Oak bark, cut	17-121106	1
Galke	Oak bark, cut	17824	2
Caelo	Oak bark, cut	19032013	2
Caelo	Oak bark, cut	22081204	1
Bombastus	Oak bark, cut	229090	1
Caelo	Oak bark, cut	2413M-01303	1
Caelo	Oak bark, cut	26061206	1
Caelo	Oak bark, cut	26081302	1
Bombastus	Oak bark, cut	265717	1
Bombastus	Oak bark, cut	272704	2
Bombastus	Oak bark, cut	274392	3
Klenk	Oak bark, cut	C-280513-2	1
Caelo	Oak bark, cut	41109-4-P	1
Caelo	Oak bark, cut		1
Caelo	Oak bark, cut	10348605	1

- 55 784 spectra from 335 *Apo-Ident* customers from a total of 20 535 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Oak bark, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Oak bark, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	80	0	14 939
Type B	0	135	15	145 594
Type C	0	150	51	55 784

The substance/substance group *Oak bark, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9359 %)	100.0000 % (> 92.5000 %)
Type B	100.0000 % (> 99.9861 %)	90.0000 % (> 88.0000 %)
Type C	100.0000 % (> 99.8621 %)	74.6269 % (> 73.1343 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to

exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40917	40917	0.00	24.38
41035	40917	8.68	27.42

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Olive leaf**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40213-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Olive leaf; Folia Oleae; Oleae folium

Special notes

When selecting the *Olive leaf* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Olive leaf*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Olive leaf	211A080311	40213	40	AR-12-FG-008663-01
Caelo	Olive leaf	11270106	40604	40	20111013
Caelo	Olive leaf	12316808	41054	40	AR-15-FG-001051-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Olive leaf*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Olive leaf*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Olive leaf	12316808	41054 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 10 spectra from 5 *Apo-Ident* customers from 7 batches from the substance/substance group *Olive leaf*.

Supplier	Substance	Batch	Spectra
Klenk	Olive leaf	2211B120417	2
Klenk	Olive leaf	2211B131025	1
Klenk	Olive leaf	2211B150818	1
Caelo	Olive leaf	12159803	1

continued on the next page

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Klenk	Olive leaf	2211B130425	3
Caelo	Olive leaf	12159805	1
Bombastus	Olive leaf	Unbekannt	1

- 55 975 spectra from 335 *Apo-Ident* customers from a total of 20 600 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Olive leaf* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Olive leaf* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	20	0	145 724
Type C	0	6	4	55 975

The substance/substance group *Olive leaf* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40213	40213	0.00	17.17
40604	41054	10.61	20.28
41054	41054	0.00	29.13

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Parsley seed**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40224-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Parsley seed; Fructus Petroselini tot.; Petroselini fructus tot.

Special notes

When selecting the *Parsley seed* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Parsley seed*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Parsley seed	7370A091120	40224	40	20120910
Caelo	Parsley seed	11157810	40439	40	pending
Klenk	Parsley seed	7370A130909	40943	40	1407600

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Parsley seed*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Parsley seed*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 7 spectra from 6 *Apo-Ident* customers from 3 batches from the substance/substance group *Parsley seed*.

Supplier	Substance	Batch	Spectra
Noweda	Parsley seed	7370A091120	1
Klenk	Parsley seed	7370A09120	1
Klenk	Parsley seed	7370A091120	4
Klenk	Parsley seed		1

- 55 978 spectra from 335 *Apo-Ident* customers from a total of 20 604 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Parsley seed* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Parsley seed* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	0	0	145 744
Type C	0	7	0	55 978

The substance/substance group *Parsley seed* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8623 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40224	40439	5.34	24.32
40439	40439	0.00	22.66
40943	40943	0.00	14.61

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Propolis extract (96%) 2:1**
Substance class Drugs
Report date 04/07/2017
Report number 20659-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Propolis extract (96%) 2:1

Special notes

When selecting the *Propolis extract (96%) 2:1* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Propolis extract (96%) 2:1*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Propolis extract...	11124120	20659	40	1403460
Caelo	Propolis extract...	13396103	21348	40	20131212
Caelo	Propolis extract...	13396103	21349	40	20131212

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *Propolis extract (96%) 2:1*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 334 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Propolis extract (96%) 2:1*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 1 spectra from 1 *Apo-Ident* customers from 1 batches from the substance/substance group *Propolis extract (96%) 2:1*.

Supplier	Substance	Batch	Spectra
Caelo	Propolis extract (96%) 2:1	11124101	1

- 55 984 spectra from 335 *Apo-Ident* customers from a total of 20 605 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Propolis extract (96%) 2:1* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Propolis extract (96%) 2:1* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	0	0	145 744
Type C	0	1	0	55 984

The substance/substance group *Propolis extract (96%) 2:1* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8635 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
20659	20659	0.00	98.98
21348	20659	21.95	98.74
21349	20659	26.12	100.99

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Psyllium seed**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40056-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Psyllium seed; Ispaghula seed; Plantaginis ovatae semen tot.; Psyllii semen tot.; Semen Plantaginis ovatae tot.; Semen Psylli tot.

Special notes

When selecting the *Psyllium seed* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Psyllium seed*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Psyllium seed	91730289	40056	69	F 2009 001 077
Klenk	Ispaghula seed	7560A120330	40430	35	1403467
Caelo	Ispaghula seed	11185812	40445	40	20110727
Caelo	Psyllium seed	10291206	40603	40	20101119
Caelo	Ispaghula seed	11185807	40648	40	20110727
Caelo	Psyllium seed	10291205	40790	80	20101119
Caelo	Psyllium seed	13305903	40982	40	20131011

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 344 spectra of 7 reference samples from the substance/substance group *Psyllium seed*. These samples are listed above in the [calibration samples](#) section.
- 14 675 spectra from a total of 329 batches from further 99 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 6 spectra of 2 reference samples from the substance/substance group *Psyllium seed*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Psyllium seed	91730289	40056 [†]	1
Klenk	Ispaghula seed	7560A120330	40430 [†]	5

- 145 738 spectra from a total of 2515 batches from further 600 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 217 spectra from 43 *Apo-Ident* customers from 81 batches from the substance/substance group *Psyllium seed*.

Supplier	Substance	Batch	Spectra
Bahnhof-Apotheke	Psyllium seed	3-121005	1

continued on the next page

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Psyllium seed	9336709	1
Caelo	Psyllium seed	10061503	1
Caelo	Psyllium seed	10291204	1
Caelo	Psyllium seed	10291205	1
Caelo	Psyllium seed	10291207	6
Caelo	Psyllium seed	10291206	1
Großhandel	Psyllium seed	10291207	1
Caelo	Psyllium seed	11185803	1
Caelo	Psyllium seed	11185811	6
Caesar/Noweda	Psyllium seed	11185817	3
Caelo	Psyllium seed	12140301	6
Fagron	Psyllium seed	12140301	1
Caelo	Psyllium seed	12185502	1
Caelo	Psyllium seed	12185503	3
Caelo	Psyllium seed	12185504	10
Großhandel	Psyllium seed	12185504	1
Caelo	Psyllium seed	12185508	3
Caelo	Psyllium seed	12185509	6
Caesar/Noweda	Psyllium seed	12276501	5
Caelo	Psyllium seed	12276510	1
Caelo	Psyllium seed	13234310	3
Caelo	Psyllium seed	13234309	1
Caelo	Psyllium seed	13305903	1
Caelo	Psyllium seed	13305904	2
Caelo	Psyllium seed	13305906	2
Caelo	Psyllium seed	13305907	5
Caelo	Psyllium seed	13305910	4
Caelo	Psyllium seed	15190303	4
Caelo	Psyllium seed	15190304	3
Caelo	Psyllium seed	15190306	1
Galke	Psyllium seed	20968	2
Galke	Psyllium seed	22989	7
Fagron	Psyllium seed	3610U-02243	1
Klenk	Psyllium seed	7380A111018	2
Klenk	Psyllium seed	7380A120109	25
Klenk	Psyllium seed	7380A120911	14
Klenk	Psyllium seed	7380A130128	5
Klenk	Psyllium seed	7380A110317	1
Klenk	Psyllium seed	7380a111018	1
Klenk	Psyllium seed	7380a120109	5
Caelo	Psyllium seed	7380a120911	1
Caelo	Psyllium seed	7380A120911	2
Caelo	Psyllium seed	7380A130128	1
Klenk	Psyllium seed	7380A150520	2
Klenk	Psyllium seed	7560a120330	1
Klenk	Psyllium seed	7560A130418	1
Klenk	Psyllium seed	7560A120330	1
Klenk	Psyllium seed	7560A140203	1
Klenk	Psyllium seed	A120911	1
Klenk	Psyllium seed	A130128	1
Klenk	Psyllium seed	A120109	1
Caelo	Ispaghula seed	4114001	1
Caelo	Ispaghula seed	11061405	1
Caelo	Ispaghula seed	14031408	1
Caelo	Ispaghula seed	15081503	1
Caelo	Ispaghula seed	23011505	1
Caelo	Ispaghula seed	29061510	1
Caelo	Ispaghula seed	3051302	1
Caelo	Ispaghula seed	3051303	1
Caelo	Ispaghula seed	4121201	1

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Supplier	Substance	Batch	Spectra
Caelo	Ispaghula seed	4121202	1
Caelo	Ispaghula seed	413E-03369	1
Caelo	Ispaghula seed	5091319	1
Caelo	Ispaghula seed	9011302	1
Caelo	Ispaghula seed	11185803	1
Caelo	Ispaghula seed	10011303	1
Caelo	Ispaghula seed	12252706	1
Caelo	Ispaghula seed	1227506	2
Caelo	Ispaghula seed	12252709	1
Caelo	Ispaghula seed	12276502	4
Caelo	Ispaghula seed	12276502	1
Caesar/Noweda	Ispaghula seed	12276503	1
Caesar/Noweda	Ispaghula seed	12276509	3
Caelo	Ispaghula seed	12276511	1
Caesar/Noweda	Ispaghula seed	12276516	1
Caelo	Ispaghula seed	16121302	1
Caelo	Ispaghula seed	19061308	1
Caelo	Ispaghula seed	18071301	1
Klenk	Ispaghula seed	20071302	1
Caelo	Ispaghula seed	26011401	1
Caelo	Ispaghula seed	30101302	1
Caelo	Ispaghula seed	30101303	1
Caelo	Ispaghula seed	3912Q-03369	1
Noweda	Ispaghula seed	7560A110125	1
Klenk	Ispaghula seed	7560A120828	6
Klenk	Ispaghula seed	7560A120330	1
Klenk	Ispaghula seed	7560A150420	3
Klenk	Ispaghula seed	7560A140203	4
Anzag	Ispaghula seed	11185818	1
Caelo	Psyllium seed	7380A120109	1

- 55 768 spectra from 335 *Apo-Ident* customers from a total of 20 525 batches from a further 682 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Psyllium seed* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Psyllium seed* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	344	0	14 675
Type B	0	0	6	145 738
Type C	0	189	28	55 768

The substance/substance group *Psyllium seed* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9351 %)	100.0000 % (> 98.2558 %)
Type B	100.0000 % (> 99.9863 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	87.0968 % (> 85.7143 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40056	40056	0.00	17.83
40430	40430	0.00	21.68
40445	40430	4.79	20.73
40603	40056	7.63	18.65
40648	40430	7.15	25.49
40790	40056	5.02	19.26
40982	40056	4.19	19.60

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Pumpkin seed, peeled**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40803-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Pumpkin seed, peeled; Cucurbitae excortic. semen tot.; Semen cucurbitae excortic. Tot.

Special notes

When selecting the *Pumpkin seed, peeled* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Pumpkin seed, peeled*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Pumpkin seed, pe...	12249002	40803	40	1404542
Caelo	Pumpkin seed, pe...	12249006	40918	40	20120917

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 80 spectra of 2 reference samples from the substance/substance group *Pumpkin seed, peeled*. These samples are listed above in the [calibration samples](#) section.
- 14 939 spectra from a total of 334 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Pumpkin seed, peeled*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 7 spectra from 3 *Apo-Ident* customers from 5 batches from the substance/substance group *Pumpkin seed, peeled*.

Supplier	Substance	Batch	Spectra
Caelo	Pumpkin seed, peeled	122490911	1
Caelo	Pumpkin seed, peeled	14073603	1
Caelo	Pumpkin seed, peeled	140736306	1
Caelo	Pumpkin seed, peeled	12249001	2
Caelo	Pumpkin seed, peeled	12249011	2

- 55 978 spectra from 335 *Apo-Ident* customers from a total of 20 601 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Pumpkin seed, peeled* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Pumpkin seed, peeled* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	80	0	14 939
Type B	0	0	0	145 744
Type C	0	7	0	55 978

The substance/substance group *Pumpkin seed, peeled* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9359 %)	100.0000 % (> 92.5000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8623 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40803	40803	0.00	26.04
40918	40803	4.32	26.79

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Ramsons herb, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40308-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Ramsons herb, cut; Allii ursini herba conc.; Herba Allii ursini conc.

Special notes

When selecting the *Ramsons herb, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Ramsons herb, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Ramsons herb, cut	11182205	40308	40	pending
Caelo	Ramsons herb, cut	12380801	40787	40	1404538

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 80 spectra of 2 reference samples from the substance/substance group *Ramsons herb, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 939 spectra from a total of 334 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Ramsons herb, cut*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 13 spectra from 9 *Apo-Ident* customers from 8 batches from the substance/substance group *Ramsons herb, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Ramsons herb, cut	3511B111005	1
Caelo	Ramsons herb, cut	11182203	1
Caelo	Ramsons herb, cut	11182204	1
Caelo	Ramsons herb, cut	11182205	1
Anzag	Ramsons herb, cut	11182207	2
Caelo	Ramsons herb, cut	12380801	2
Caelo	Ramsons herb, cut	12380802	2
Caelo	Ramsons herb, cut	12380803	2
Klenk	Ramsons herb, cut	3511B111005	1

- 55 972 spectra from 335 *Apo-Ident* customers from a total of 20 598 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Ramsons herb, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Ramsons herb, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	80	0	14 939
Type B	0	0	0	145 744
Type C	0	9	4	55 972

The substance/substance group *Ramsons herb, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9359 %)	100.0000 % (> 92.5000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40308	40308	0.00	13.37
40787	40787	0.00	12.85

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Red tea**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40515-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Red tea; Pu erh tea

Special notes

When selecting the *Red tea* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Red tea*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Kräuter Schulte	Red tea	52029	40515	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 40 spectra of 1 reference samples from the substance/substance group *Red tea*. These samples are listed above in the [calibration samples](#) section.
- 14 979 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Red tea*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 1 spectra from 1 *Apo-Ident* customers from 1 batches from the substance/substance group *Red tea*.

Supplier	Substance	Batch	Spectra
Kräuter Schulte	Red tea	52029	1

- 55 984 spectra from 335 *Apo-Ident* customers from a total of 20 605 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Red tea* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Red tea* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	40	0	14 979
Type B	0	0	0	145 744
Type C	0	1	0	55 984

The substance/substance group *Red tea* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9369 %)	100.0000 % (> 85.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8635 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40515	40515	0.00	31.69

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Redwood**
Substance class Drugs
Report date 04/07/2017
Report number 40327-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Redwood; Lignum Pterocarpi soyauxii; Pterocarpi soyauxii lignum

Special notes

When selecting the *Redwood* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Redwood*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Redwood	12049603	40327	40	1403471
Caelo	Redwood	12049604	40681	40	20120229

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 80 spectra of 2 reference samples from the substance/substance group *Redwood*. These samples are listed above in the [calibration samples](#) section.
- 14 939 spectra from a total of 334 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Redwood*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 7 spectra from 6 *Apo-Ident* customers from 5 batches from the substance/substance group *Redwood*.

Supplier	Substance	Batch	Spectra
Caelo	Redwood	12049607	2
Caelo	Redwood	12049608	2
Caelo	Redwood	13106901	1
Klenk	Redwood	5961B111219	1
Caelo	Redwood	12041403	1

- 55 978 spectra from 335 *Apo-Ident* customers from a total of 20 601 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Redwood* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Redwood* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	80	0	14 939
Type B	0	0	0	145 744
Type C	0	2	5	55 978

The substance/substance group *Redwood* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9359 %)	100.0000 % (> 92.5000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8623 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40327	40327	0.00	31.63
40681	40327	6.30	29.74

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Rhubarb, powdered**
Substance class Drugs
Report date 04/07/2017
Report number 40158-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Rhubarb, powdered; Rhei Sinensis rhizoma plv.; Rhizoma Rhei sinensis plv.

Special notes

When selecting the *Rhubarb, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Rhubarb, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Rhubarb, powdered	11043818	40619	60	1403280
Caelo	Rhubarb, powdered	16009901	41269	16	9886

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 76 spectra of 2 reference samples from the substance/substance group *Rhubarb, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 943 spectra from a total of 334 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 60 spectra of 2 reference samples from the substance/substance group *Rhubarb, powdered*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Rhubarb, powdered	10162405	40158	50
Caelo	Rhubarb, powdered	16009901	41269 [†]	10

- 145 684 spectra from a total of 2515 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 25 spectra from 15 *Apo-Ident* customers from 16 batches from the substance/substance group *Rhubarb, powdered*.

Supplier	Substance	Batch	Spectra
Caelo	Rhubarb, powdered	13193106	2
Caelo	Rhubarb, powdered	13193109	1
Caelo	Rhubarb, powdered	23061402	1

continued on the next page

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Rhubarb, powdered	11043818	2
Caelo	Rhubarb, powdered	11043816	3
Fagron	Rhubarb, powdered	11043821	1
Caelo	Rhubarb, powdered	11043825	2
Caelo	Rhubarb, powdered	11043826	1
Caelo	Rhubarb, powdered	13193104	4
Caelo	Rhubarb, powdered	9071201	1
Caelo	Rhubarb, powdered	11043817	1
Caelo	Rhubarb, powdered	11043819	2
Caelo	Rhubarb, powdered	11043822	1
Bombastus	Rhubarb, powdered	11043806	1
Caelo	Rhubarb, powdered	11043809	1
Hedinger	Rhubarb, powdered	13193110	1

- 55 960 spectra from 335 *Apo-Ident* customers from a total of 20 590 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Rhubarb, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Rhubarb, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	76	0	14 943
Type B	0	51	9	145 684
Type C	0	14	11	55 960

The substance/substance group *Rhubarb, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9359 %)	100.0000 % (> 92.1053 %)
Type B	100.0000 % (> 99.9861 %)	85.0000 % (> 80.0000 %)
Type C	100.0000 % (> 99.8622 %)	56.0000 % (> 44.0000 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40619	40619	0.00	29.55
41269	41269	0.00	40.04

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Rosemary leaf, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40031-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Rosemary leaf, cut; Folia Rosmarini conc.; Rosmarini folium conc.

Special notes

When selecting the *Rosemary leaf, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Rosemary leaf, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Rosemary leaf, cut	09144202	40031	80	F 2010 000 051
Caelo	Rosemary leaf, cut	10139805	40249	40	20100614
Caelo	Rosemary leaf, cut	11193408	40807	40	20110728
Aurica	Rosemary leaf, cut	521306257	41049	40	pending
Caelo	Rosemary leaf, cut	14159601	41057	40	20140617
Klenk	Rosemary leaf, cut	2261A131118	41060	40	AR-15-FG-008499-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 280 spectra of 6 reference samples from the substance/substance group *Rosemary leaf, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 739 spectra from a total of 330 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 60 spectra of 3 reference samples from the substance/substance group *Rosemary leaf, cut*.

Supplier	Substance	Batch	Sample ID	Spectra
Aurica	Rosemary leaf, cut	521306257	41049 [†]	20
Caelo	Rosemary leaf, cut	14159601	41057 [†]	20
Klenk	Rosemary leaf, cut	2261A131118	41060 [†]	20

- 145 684 spectra from a total of 2514 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 131 spectra from 71 *Apo-Ident* customers from 47 batches from the substance/substance group *Rosemary leaf, cut*.

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Supplier	Substance	Batch	Spectra
Klenk	Rosemary leaf, cut	2261A130201	25
Klenk	Rosemary leaf, cut	2261A131118	5
Galke	Rosemary leaf, cut	19813	1
Klenk	Rosemary leaf, cut	2261A120224	17
Caelo	Rosemary leaf, cut	11193408	5
Klenk	Rosemary leaf, cut	61A131118	1
Caelo	Rosemary leaf, cut	13128806	2
Caelo	Rosemary leaf, cut	14082901	1
Caelo	Rosemary leaf, cut	15125001	3
Caelo	Rosemary leaf, cut	1415901	1
Caelo	Rosemary leaf, cut	15125008	1
Akazie	Rosemary leaf, cut		1
Klenk	Rosemary leaf, cut	2261A140910	2
Klenk	Rosemary leaf, cut	2261A150622	2
Berkel AHK	Rosemary leaf, cut	2261A131118	1
Sanacorp	Rosemary leaf, cut	2261A130201	1
Caelo	Rosemary leaf, cut	2261A131118	2
Caelo	Rosemary leaf, cut	28051404	1
Klenk	Rosemary leaf, cut		1
Caelo	Rosemary leaf, cut	10139811	1
Klenk	Rosemary leaf, cut	A130201	2
Caelo	Rosemary leaf, cut	11193403	1
Caelo	Rosemary leaf, cut	11193402	3
Klenk	Rosemary leaf, cut	2261A100916	1
ANZAG am 06.06.2012	Rosemary leaf, cut	268132	1
Bombastus	Rosemary leaf, cut	268132	2
Klenk	Rosemary leaf, cut	112E-01510	1
Caelo	Rosemary leaf, cut	5041302	1
Caelo	Rosemary leaf, cut	11192408	1
Caelo	Rosemary leaf, cut	11193404	2
Caelo	Rosemary leaf, cut	11193405	4
Caelo	Rosemary leaf, cut	11193406	1
Caelo	Rosemary leaf, cut	11193407	1
sanacorp	Rosemary leaf, cut	12221705	1
Caelo	Rosemary leaf, cut	13128801	1
Caelo	Rosemary leaf, cut	13128802	2
Caelo	Rosemary leaf, cut	13128805	1
Caelo	Rosemary leaf, cut	14082902	1
Caelo	Rosemary leaf, cut	1812A-01510	1
Galke	Rosemary leaf, cut	21390	1
ANZAG am 23.05.2012	Rosemary leaf, cut	2261A100916	1
Klenk	Rosemary leaf, cut	2261A081117	1
Noweda	Rosemary leaf, cut	2261A100916	1
Klenk	Rosemary leaf, cut	2261a120224	4
Fagron	Rosemary leaf, cut	2261A120224	1
Caelo	Rosemary leaf, cut	2261A120224	1
Gehe	Rosemary leaf, cut	2261A120224	1
Großhandel	Rosemary leaf, cut	2261A120224	1
Phönix	Rosemary leaf, cut	2261A120224	1
Fagron	Rosemary leaf, cut	2261A130201	2
Klenk	Rosemary leaf, cut	2261a130201	1
ANZAG 20.01.2014	Rosemary leaf, cut	2261A130201	1
Galke	Rosemary leaf, cut	22777	1
Anzag/	Rosemary leaf, cut	268132	1
Bombastus	Rosemary leaf, cut	270171	1
Bombastus	Rosemary leaf, cut	272435	2
Bombastus	Rosemary leaf, cut	277128	2
Bombastus	Rosemary leaf, cut	281248	1
Bombastus	Rosemary leaf, cut	281843	2
Bahnhof-Apotheke	Rosemary leaf, cut	7-120915	1

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Supplier	Substance	Batch	Spectra
Caelo	Rosemary leaf, cut		1

- 55 854 spectra from 335 *Apo-Ident* customers from a total of 20 562 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Rosemary leaf, cut* can be clearly distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Rosemary leaf, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	280	0	14 739
Type B	0	60	0	145 684
Type C	0	122	9	55 854

The substance/substance group *Rosemary leaf, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9351 %)	100.0000 % (> 97.8571 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 90.0000 %)
Type C	100.0000 % (> 99.8621 %)	93.1298 % (> 90.8397 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40031	40031	0.00	41.03
40249	41060	5.47	35.84
40807	40031	8.35	35.48

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Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
41049	41060	4.55	37.70
41057	41060	3.08	37.58
41060	41060	0.00	30.39

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Senna leaf, powdered**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40153-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Senna leaf, powdered; Folia Sennae plv.; Sennae folia plv.

Special notes

When selecting the *Senna leaf, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Senna leaf, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Senna leaf, powd. ...	2334B090306	40153	50	pending
Klenk	Senna leaf, powd. ...	2334B110207	40208	40	pending
Caelo	Senna leaf, powd. ...	11193307	40777	120	pending
Caelo	Senna leaf, powd. ...	12369908	40949	40	1408079
Klenk	Senna leaf, powd. ...	2334B130606	41073	40	AR-15-FG-015212-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 290 spectra of 5 reference samples from the substance/substance group *Senna leaf, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 729 spectra from a total of 331 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Senna leaf, powdered*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Senna leaf, powdered	2334B130606	41073 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 2 spectra from 2 *Apo-Ident* customers from 2 batches from the substance/substance group *Senna leaf, powdered*.

Supplier	Substance	Batch	Spectra
Caelo	Senna leaf, powdered	14088703	1
Caelo	Senna leaf, powdered	11193307	1

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

- 55 983 spectra from 335 *Apo-Ident* customers from a total of 20 604 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Senna leaf, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Senna leaf, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	290	0	14 729
Type B	0	20	0	145 724
Type C	0	1	1	55 983

The substance/substance group *Senna leaf, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9351 %)	100.0000 % (> 97.9310 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8628 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40153	40153	0.00	21.72
40208	40208	0.00	9.26
40777	40777	0.00	22.82
40949	40949	0.00	19.63
41073	41073	0.00	14.59

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Sesame seed**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40732-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Sesame seed; Samen Sesami tot.; Sesami semen tot.

Special notes

When selecting the *Sesame seed* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Sesame seed*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Sesame seed	12310205	40927	40	1403406

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 40 spectra of 1 reference samples from the substance/substance group *Sesame seed*. These samples are listed above in the [calibration samples](#) section.
- 14 979 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 1 reference samples from the substance/substance group *Sesame seed*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Sesame seed	12125201	40732	40

- 145 704 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Sesame seed*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Sesame seed* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Sesame seed* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	40	0	14 979
Type B	0	5	35	145 704
Type C	0	0	0	55 985

The substance/substance group *Sesame seed* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9369 %)	100.0000 % (> 85.0000 %)
Type B	100.0000 % (> 99.9861 %)	12.5000 % (> 5.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40927	40927	0.00	41.09

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Star anise, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40658-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Star anise, cut; Anisi stellati fructus conc.; Fructus Anisi stellati conc.

Special notes

When selecting the *Star anise, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Star anise, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Star anise, cut	12226301	40658	60	pending
Caelo	Star anise, cut	13041401	40893	40	1403709
Caelo	Star anise, cut	15329302	41093	40	AR-16-FG-004770-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 140 spectra of 3 reference samples from the substance/substance group *Star anise, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 879 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Star anise, cut*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Star anise, cut	15329302	41093 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Star anise, cut*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Validation results

The validation runs checked whether the substance/substance group *Star anise, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Star anise, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	140	0	14 879
Type B	0	20	0	145 724
Type C	0	0	0	55 985

The substance/substance group *Star anise, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 95.7143 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40658	40658	0.00	19.56
40893	40893	0.00	12.88
41093	41093	0.00	17.81

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Theriac, powdered**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40159-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Theriac, powdered; Theriaca plv.

Special notes

When selecting the *Theriac, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Theriac, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Theriac, powdered	10191904	40159	50	20100715
Caelo	Theriac, powdered	11082412	40506	40	pending
Caelo	Theriac, powdered	12289307	40937	40	1405122
Caelo	Theriac, powdered	13407301	41037	40	1410336
Klenk	Theriac, powdered	13816	41241	40	1705088

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 210 spectra of 5 reference samples from the substance/substance group *Theriac, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 809 spectra from a total of 331 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 20 spectra of 1 reference samples from the substance/substance group *Theriac, powdered*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Theriac, powdered	13816	41241 [†]	20

- 145 724 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 43 spectra from 28 *Apo-Ident* customers from 25 batches from the substance/substance group *Theriac, powdered*.

Supplier	Substance	Batch	Spectra
Caelo	Theriac, powdered	12189401	3
Caelo	Theriac, powdered	12289304	1
Caelo	Theriac, powdered	11081515	1
Caelo	Theriac, powdered	12289307	9

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[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

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Supplier	Substance	Batch	Spectra
Caelo	Theriac, powdered	15312501	1
Caelo	Theriac, powdered	13407304	2
Caelo	Theriac, powdered	14156501	1
Caelo	Theriac, powdered	11082409	1
Caelo	Theriac, powdered	15312504	1
Caelo	Theriac, powdered	2021301	1
Caelo	Theriac, powdered	11082413	1
Caelo	Theriac, powdered	11082408	1
Klenk	Theriac, powdered	12189403	1
Caelo	Theriac, powdered	12189404	2
Phönix Gotha	Theriac, powdered	12189401	1
Caelo	Theriac, powdered	12289301	4
Caelo	Theriac, powdered	12289305	3
Caelo	Theriac, powdered	12289303	1
Caelo	Theriac, powdered	12289306	1
Caesar/Noweda	Theriac, powdered	12289309	1
Caelo	Theriac, powdered	12289312	1
Caelo	Theriac, powdered	13407303	1
Caelo	Theriac, powdered	15101307	1
Caelo	Theriac, powdered	1513E-01351	1
Caelo	Theriac, powdered	412091-2P	1
Noweda	Theriac, powdered	11082404	1

- 55 942 spectra from 335 *Apo-Ident* customers from a total of 20 581 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Theriac, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Theriac, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	210	0	14 809
Type B	0	20	0	145 724
Type C	0	26	17	55 942

The substance/substance group *Theriac, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9352 %)	100.0000 % (> 97.1429 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 70.0000 %)
Type C	100.0000 % (> 99.8621 %)	60.4651 % (> 53.4884 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40159	40937	9.18	17.10
40506	40506	0.00	11.54
40937	40937	0.00	12.05
41037	41037	0.00	17.95
41241	41241	0.00	12.35

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Tormentil**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40148-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Tormentil; Rhizoma Tormentillae; Tormentillae rhizoma

Special notes

When selecting the *Tormentil* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Tormentil*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Tormentil	10111704	40148	50	pending
Caelo	Tormentil	10290903	40165	50	20101207
Caelo	Tormentil	11102003	40187	40	pending
Caelo	Tormentil	11102003	40202	40	pending
Caelo	Tormentil	12040708	40799	40	1403487
Caelo	Tormentil	12013103	40814	40	1403048

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Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	Tormentil	6914B120112	40824	40	20120118
Caelo	Tormentil	12040715	40904	40	1403710
Caelo	Tormentil	13220502	40915	40	1403049
Klenk	Tormentil	6911B141114	41080	40	AR-15-FG-014020-01
Caelo	Tormentil	14360103	41096	40	1606520

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 460 spectra of 11 reference samples from the substance/substance group *Tormentil*. These samples are listed above in the [calibration samples](#) section.
- 14 559 spectra from a total of 326 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 2 reference samples from the substance/substance group *Tormentil*.

Supplier	Substance	Batch	Sample ID	Spectra
Klenk	Tormentil	6911B141114	41080 [†]	20
Caelo	Tormentil	14360103	41096 [†]	20

- 145 704 spectra from a total of 2515 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

- 84 spectra from 37 *Apo-Ident* customers from 43 batches from the substance/substance group *Tormentil*.

Supplier	Substance	Batch	Spectra
Caelo	Tormentil	14360103	1
Caelo	Tormentil	15178203	1
Klenk	Tormentil	6911B131029	4
Caelo	Tormentil	12216801	5
Caelo	Tormentil	12216806	1
Herbasinica	Tormentil		3
Caelo	Tormentil	14008001	2
Galke	Tormentil	21744	2
Phoenix	Tormentil	14008001	1
Caelo	Tormentil	521305-420	1
Klenk	Tormentil	6911B111013	8
Richter	Tormentil	P209904	1
Caelo	Tormentil	1914A-02188	1
Caelo	Tormentil	13220502	1
Kenk / Phoenix	Tormentil	6911B111013	1
Caelo	Tormentil	14008002	2
Caelo	Tormentil	14140006	1
Caelo	Tormentil	14008005	1
Noweda 06.04.2016	Tormentil	15178202	1
Caelo	Tormentil	15364302	3
Caelo	Tormentil	15178206	1
Klenk	Tormentil	6911B150825	1
Klenk	Tormentil	6911B141114	1
Caelo	Tormentil	12040701	1
Holdermann	Tormentil	12040708	3
Caelo	Tormentil	10081203	1
Caelo	Tormentil	11102011	1
Caelo	Tormentil	12040702	1
Caelo	Tormentil	11102010	2
Caelo	Tormentil	12040704	2
Caelo	Tormentil	12040708	8
Sanacorp	Tormentil	12040712	1
Caelo	Tormentil	12040712	2
Caelo	Tormentil	12040709	1
Gehe 21.05.2013	Tormentil	12040713	1
Caelo	Tormentil	12040713	1
Caelo	Tormentil	12040715	1
Caelo	Tormentil	12040717	1
Caelo	Tormentil	12216803	3
Caelo	Tormentil	12216802	1
Sanacorp	Tormentil	12216803	1
Caelo	Tormentil	12216805	1
Galke	Tormentil	21091	1
Caelo	Tormentil	2512A-02188	1
Caelo	Tormentil	30011405	1
Caelo	Tormentil	4753268	1
kräuter schulte	Tormentil	51952	1
Caelo	Tormentil	411082-2-P	1
Klenk	Tormentil	6914b120112	1

- 55 901 spectra from 335 *Apo-Ident* customers from a total of 20 565 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#),

the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Tormentil* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Tormentil* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	460	0	14 559
Type B	0	40	0	145 704
Type C	0	63	21	55 901

The substance/substance group *Tormentil* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9350 %)	100.0000 % (> 98.6957 %)
Type B	100.0000 % (> 99.9861 %)	100.0000 % (> 85.0000 %)
Type C	100.0000 % (> 99.8621 %)	75.0000 % (> 71.4286 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40148	40148	0.00	20.12
40165	40799	8.29	15.08
40187	40187	0.00	13.35
40202	40202	0.00	15.18
40799	40799	0.00	14.20
40814	40814	0.00	27.86
40824	40814	4.45	29.90
40904	40904	0.00	16.12
40915	40915	0.00	30.40
41080	41080	0.00	14.82
41096	41096	0.00	26.94

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Tragacanth, powdered**
Substance class **Drugs**
Report date **04/07/2017**
Report number **20167-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Tragacanth, powdered; Tragacantha albiss. plv.

Special notes

When selecting the *Tragacanth, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Tragacanth, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Tragacanth, powd...	13277804	21459	40	1507149
Caelo	Tragacanth, powd...	15085602	21817	40	20150410
Caelo	Tragacanth, powd...	15379906	41187	40	20151124
Caelo	Tragacanth, powd...	16110802	41297	40	AR-17-FG-007533-01

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Tragacanth, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 332 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 150 spectra of 6 reference samples from the substance/substance group *Tragacanth, powdered*.

Supplier	Substance	Batch	Sample ID	Spectra
zu erfassen	Tragacanth, powdered	pending	20154	40
Caelo	Tragacanth, powdered	9105901	20167	30
Caelo	Tragacanth, powdered	13277804	21459 [†]	20
Caelo	Tragacanth, powdered	15085602	21817 [†]	20
Caelo	Tragacanth, powdered	15379906	41187 [†]	20
Caelo	Tragacanth, powdered	16110802	41297 [†]	20

- 145 594 spectra from a total of 2512 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 59 spectra from 29 *Apo-Ident* customers from 33 batches from the substance/substance group *Tragacanth, powdered*.

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Supplier	Substance	Batch	Spectra
Caelo	Tragacanth, powdered	13204701	4
Caelo	Tragacanth, powdered	13204702	1
Caelo	Tragacanth, powdered	13204705	5
Caelo	Tragacanth, powdered	12108806	2
Caelo	Tragacanth, powdered	12285405	1
Noweda	Tragacanth, powdered	11128910	1
Caelo	Tragacanth, powdered	13204703	3
Caelo	Tragacanth, powdered	13277801	1
Caelo	Tragacanth, powdered	13277802	3
Caelo	Tragacanth, powdered	15085602	4
Caelo	Tragacanth, powdered	15085606	1
Caelo	Tragacanth, powdered	14162207	1
Caelo	Tragacanth, powdered	14162205	4
Caelo	Tragacanth, powdered	15379906	1
AHD	Tragacanth, powdered	15379906	1
JENNE	Tragacanth, powdered	16110801	1
Caelo	Tragacanth, powdered	7021402	1
Caelo	Tragacanth, powdered	9081202	1
Caelo	Tragacanth, powdered	12108801	1
Noweda	Tragacanth, powdered	12108807	1
Euro OTC	Tragacanth, powdered	12285401	1
Caelo	Tragacanth, powdered	12285402	1
Caelo	Tragacanth, powdered	12285403	2
Caelo	Tragacanth, powdered	13095203	1
Caelo	Tragacanth, powdered	13095208	3
Fagron	Tragacanth, powdered	13204701	1
Caelo	Tragacanth, powdered	15041302	1
Caelo	Tragacanth, powdered	15121203	1
Caelo	Tragacanth, powdered	15041303	1
Caelo	Tragacanth, powdered	20111305	1
Caelo	Tragacanth, powdered	13277804	3
Caelo	Tragacanth, powdered	1327802	1
Caelo	Tragacanth, powdered	14162204	1
Caelo	Tragacanth, powdered	8081201	1
Caelo	Tragacanth, powdered	14011302	1
Fagron	Tragacanth, powdered	13204705	1

- 55 926 spectra from 335 *Apo-Ident* customers from a total of 20 574 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Tragacanth, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Tragacanth, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	80	70	145 594
Type C	0	31	28	55 926

The substance/substance group *Tragacanth, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9861 %)	53.3333 % (> 51.3333 %)
Type C	100.0000 % (> 99.8621 %)	52.5424 % (> 47.4576 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
21459	21459	0.00	35.15
21817	21459	15.07	53.31
41187	21459	22.20	52.58
41297	41297	0.00	34.99

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Turmeric root, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40660-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Turmeric root, cut; Curcumae longae rhizoma conc.; Rhizoma Curcumae longae conc.

Special notes

When selecting the *Turmeric root, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Turmeric root, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Turmeric root, cut	11160403	40660	60	20110628
Caelo	Turmeric root, cut	12136503	40931	40	1405295
Caelo	Turmeric root, cut	13360202	40985	40	1411363

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 140 spectra of 3 reference samples from the substance/substance group *Turmeric root, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 879 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 90 spectra of 2 reference samples from the substance/substance group *Turmeric root, cut*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Turmeric root, cut	10162302	40138	50
Klenk	Turmeric root, cut	6741A110202	40266	40

- 145 654 spectra from a total of 2515 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 16 spectra from 10 *Apo-Ident* customers from 12 batches from the substance/substance group *Turmeric root, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Turmeric root, cut	1213650	1
Caelo	Turmeric root, cut	11160405	1
Caelo	Turmeric root, cut	15207601	1
Caelo	Turmeric root, cut	12136501	2
Caelo	Turmeric root, cut	12136503	2
Caelo	Turmeric root, cut	12136505	1

continued on the next page

continued from previous page

Supplier	Substance	Batch	Spectra
Caelo	Turmeric root, cut	12136506	2
Galke	Turmeric root, cut	20184	1
Galke	Turmeric root, cut	23123	1
Klenk	Turmeric root, cut	6741a110202	1
Caelo	Turmeric root, cut	12136504	2
Klenk	Turmeric root, cut	6741B121030	1

- 55 969 spectra from 335 *Apo-Ident* customers from a total of 20 594 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Turmeric root, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Turmeric root, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	140	0	14 879
Type B	0	23	67	145 654
Type C	0	15	1	55 969

The substance/substance group *Turmeric root, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 95.7143 %)
Type B	100.0000 % (> 99.9861 %)	25.5556 % (> 22.2222 %)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40660	40985	6.60	18.53
40931	40931	0.00	16.12
40985	40985	0.00	22.42

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Turmeric, javanese, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40484-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Turmeric, javanese, cut; Rhizoma Curcumae javanicae conc.

Special notes

When selecting the *Turmeric, javanese, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Turmeric, javanese, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Turmeric, javane...	zu erfassen	40484	40	pending
Caelo	Turmeric, javane...	12185605	40788	40	1403465
Caelo	Turmeric, javane...	12319206	40895	40	20121130
Caelo	Turmeric, javane...	13262904	40965	40	20130926

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 160 spectra of 4 reference samples from the substance/substance group *Turmeric, javanese, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 859 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Turmeric, javanese, cut*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 24 spectra from 16 *Apo-Ident* customers from 16 batches from the substance/substance group *Turmeric, javanese, cut*.

Supplier	Substance	Batch	Spectra
Bombastus	Turmeric, javanese, cut	262792	1
Caelo	Turmeric, javanese, cut	13262903	1
Caelo	Turmeric, javanese, cut	14017706	1
Caelo	Turmeric, javanese, cut	14309503	1
Caelo	Turmeric, javanese, cut	15120202	2
Klenk	Turmeric, javanese, cut	B130117	1
Caelo	Turmeric, javanese, cut	11182903	1
Caelo	Turmeric, javanese, cut	12319206	4
Galke	Turmeric, javanese, cut	15540	2
Bombastus	Turmeric, javanese, cut	282221	2
Bombastus	Turmeric, javanese, cut	284242	2
Caelo	Turmeric, javanese, cut	12319201	1
Gehe	Turmeric, javanese, cut	12319206	1
Caelo	Turmeric, javanese, cut	13262907	1

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Supplier	Substance	Batch	Spectra
Caelo	Turmeric, javanese, cut	25041313	1
Caelo	Turmeric, javanese, cut	11046305	1
Kenk / Phoenix	Turmeric, javanese, cut	6731B130117	1

- 55 961 spectra from 335 *Apo-Ident* customers from a total of 20 590 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Turmeric, javanese, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Turmeric, javanese, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	160	0	14 859
Type B	0	0	0	145 744
Type C	0	23	1	55 961

The substance/substance group *Turmeric, javanese, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9354 %)	100.0000 % (> 96.2500 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8622 %)	95.8333 % (> 83.3333 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40484	40484	0.00	20.76
40788	40788	0.00	15.65
40895	40788	5.91	16.79
40965	40788	8.17	18.79

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Twotoothed achyranthes root, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40550-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Twotoothed achyranthes root, cut; Achyranthis bidentatae radix conc.; Radix Achyranthis bidentatae conc.

Special notes

When selecting the *Twotoothed achyranthes root, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Twotoothed achyranthes root, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Kräuter Schulte	Twotoothed achyr...	42168	40550	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 40 spectra of 1 reference samples from the substance/substance group *Twotoothed achyranthes root, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 979 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Twotoothed achyranthes root, cut*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Twotoothed achyranthes root, cut*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Twotoothed achyranthes root, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Twotoothed achyranthes root, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	40	0	14 979
Type B	0	0	0	145 744
Type C	0	0	0	55 985

The substance/substance group *Twotoothed achyranthes root, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9369 %)	100.0000 % (> 85.0000 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40550	40550	0.00	14.13

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Valerian root / Gentian root**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40620-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Valerian root / Gentian root; Gentian root, powdered; Gentianae radix plv.; Radix Gentianae plv.; Radix Valerianae plv.; Valerian root, powdered; Valerianae radix plv.

Special notes

When selecting the *Valerian root / Gentian root* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Valerian root / Gentian root*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Gentian root, po...	12007103	40620	49	1403630
Caelo	Valerian root, p...	12138005	40793	40	1403809
Caelo	Valerian root, p...	12138008	40908	40	1508496
Caelo	Gentian root, po...	12007106	40920	40	20120117
Caelo	Gentian root, po...	13410503	41033	40	1508394
Caelo	Valerian root, p...	13113204	41058	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 249 spectra of 6 reference samples from the substance/substance group *Valerian root / Gentian root*. These samples are listed above in the [calibration samples](#) section.
- 14 770 spectra from a total of 330 batches from further 99 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 71 spectra of 3 reference samples from the substance/substance group *Valerian root / Gentian root*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Gentian root, powdered	9130203	40149	50
Caelo	Gentian root, powdered	12007103	40620 [†]	1
Caelo	Valerian root, powdered	13113204	41058 [†]	20

- 145 673 spectra from a total of 2514 batches from further 600 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 12 spectra from 3 *Apo-Ident* customers from 9 batches from the substance/substance group *Valerian root / Gentian root*.

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Supplier	Substance	Batch	Spectra
Caelo	Valerian root, powdered	13196802	1
Caelo	Valerian root, powdered	13196806	1
Caelo	Valerian root, powdered	13196809	1
Caelo	Valerian root, powdered	13287402	3
Berkel AHK	Valerian root, powdered	13287406	1
Berkel AHK	Valerian root, powdered	14179403	2
Berkel AHK	Valerian root, powdered	19196802	1
Caelo	Gentian root, powdered	12007106	1
	Gentian root, powdered	130063	1

- 55 973 spectra from 335 *Apo-Ident* customers from a total of 20 600 batches from a further 682 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Valerian root* / *Gentian root* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Valerian root* / *Gentian root* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	249	0	14 770
Type B	0	21	50	145 673
Type C	0	10	2	55 973

The substance/substance group *Valerian root* / *Gentian root* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9352 %)	100.0000 % (> 97.5904 %)
Type B	100.0000 % (> 99.9861 %)	29.5775 % (> 25.3521 %)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40620	40620	0.00	16.23
40793	40793	0.00	11.81
40908	40908	0.00	11.19
40920	40620	5.94	14.13
41033	41033	0.00	21.82
41058	41058	0.00	12.35

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Walnut leaf, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40078-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Walnut leaf, cut; Folia Juglandis conc.; Juglandis folium conc.

Special notes

When selecting the *Walnut leaf, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Walnut leaf, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Walnut leaf, cut	10050402	40078	40	20100324
Caelo	Walnut leaf, cut	10050403	40142	50	20100324
Caelo	Walnut leaf, cut	11103007	40727	40	1403091

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 130 spectra of 3 reference samples from the substance/substance group *Walnut leaf, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 889 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *Walnut leaf, cut*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 133 spectra from 66 *Apo-Ident* customers from 54 batches from the substance/substance group *Walnut leaf, cut*.

Supplier	Substance	Batch	Spectra
Caelo	Walnut leaf, cut	11103009	1
Caelo	Walnut leaf, cut	12124603-341930192	1
Caelo	Walnut leaf, cut	14064910	1
Klenk	Walnut leaf, cut	2111A130410	4
Noweda	Walnut leaf, cut	10050414	1
Klenk	Walnut leaf, cut	2111A110816	1
Caelo	Walnut leaf, cut	11103004	5
GEHE	Walnut leaf, cut	21022101/1	1
Gehe	Walnut leaf, cut	10050412	1
Caelo	Walnut leaf, cut	10050413	1
Noweda	Walnut leaf, cut	10050416	1
Caelo	Walnut leaf, cut	11103003	3
Caelo	Walnut leaf, cut	10050416	1
Caelo	Walnut leaf, cut	11103008	5

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Supplier	Substance	Batch	Spectra
Caelo	Walnut leaf, cut	11103007	5
Anzag ek: 4,58EUR 25.09.12	Walnut leaf, cut	2111A120123	1
Caelo	Walnut leaf, cut	8071502	1
Caelo	Walnut leaf, cut	12124502	1
Caelo	Walnut leaf, cut	12124605	7
Caelo	Walnut leaf, cut	12124607	1
Caelo	Walnut leaf, cut	14064902	3
Caelo	Walnut leaf, cut	14064903	1
Caelo	Walnut leaf, cut	14064904	5
Caelo	Walnut leaf, cut	14064906	4
Caelo	Walnut leaf, cut	14064909	1
Caelo	Walnut leaf, cut	15126003	5
Klenk	Walnut leaf, cut	2111A131029	1
Caelo	Walnut leaf, cut	15126002	1
Caelo	Walnut leaf, cut	1414Q01499	1
noweda	Walnut leaf, cut		1
Caelo	Walnut leaf, cut	25041404	1
Klenk	Walnut leaf, cut	A130410	1
Caelo	Walnut leaf, cut	15126004	1
Bombastus	Walnut leaf, cut	267575	1
Gehe	Walnut leaf, cut	2111B151028	1
Caelo	Walnut leaf, cut	3051301	1
Caelo	Walnut leaf, cut	414Q1499	1
Caelo	Walnut leaf, cut	11103001	2
Caelo	Walnut leaf, cut	11103002	1
Caelo	Walnut leaf, cut	11103005	1
Noweda	Walnut leaf, cut	11103004	1
Anzag/	Walnut leaf, cut	11103007	1
Noweda	Walnut leaf, cut	11103007	2
Caelo	Walnut leaf, cut	11103010	6
Phönix 05.10.2012	Walnut leaf, cut	121005	1
Caelo	Walnut leaf, cut	12124601	4
Gehe	Walnut leaf, cut	12124601	2
Noweda	Walnut leaf, cut	12124601	1
Caelo	Walnut leaf, cut	12124602	3
Caelo	Walnut leaf, cut	12124603	13
ANZAG	Walnut leaf, cut	12124603	3
Caelo	Walnut leaf, cut	1313M-01499	1
Caelo	Walnut leaf, cut	1214603	1
Galke	Walnut leaf, cut	21061	1
Klenk	Walnut leaf, cut	2111A120123	5
Klenk	Walnut leaf, cut	2111A-120123	1
Caelo	Walnut leaf, cut	2111A120123	1
Sanacorp	Walnut leaf, cut	2111A120123	2
Gehe	Walnut leaf, cut	211A120123	1
Caelo	Walnut leaf, cut	3712Q-01499	1
Caelo	Walnut leaf, cut	4713U01499	1
Caelo	Walnut leaf, cut		2
Hepart AG	Walnut leaf, cut	A120123	1
Klenk	Walnut leaf, cut	F-280513-1	1

- 55 852 spectra from 335 *Apo-Ident* customers from a total of 20 557 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Walnut leaf, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Walnut leaf, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	130	0	14 889
Type B	0	0	0	145 744
Type C	0	127	6	55 852

The substance/substance group *Walnut leaf, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.3846 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	95.4887 % (> 93.2331 %)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40078	40727	10.52	29.86
40142	40727	9.05	23.30
40727	40727	0.00	30.99

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **White mustard seed**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40513-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

White mustard seed; Erucae semen tot.; Semen sinapis albae

Special notes

When selecting the *White mustard seed* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *White mustard seed*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Kräuter Schulte	White mustard seed	52071	40513	40	1408078
Caelo	White mustard seed	12361002	40811	40	1403473
Caelo	White mustard seed	13380501	40981	40	20140103

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 120 spectra of 3 reference samples from the substance/substance group *White mustard seed*. These samples are listed above in the [calibration samples](#) section.
- 14 899 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 1 reference samples from the substance/substance group *White mustard seed*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	White mustard seed	13064301	40925	40

- 145 704 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *White mustard seed*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *White mustard seed* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *White mustard seed* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	120	0	14 899
Type B	0	39	1	145 704
Type C	0	0	0	55 985

The substance/substance group *White mustard seed* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	100.0000 % (> 95.0000 %)
Type B	100.0000 % (> 99.9861 %)	97.5000 % (> 90.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40513	40513	0.00	17.83
40811	40811	0.00	17.43
40981	40513	10.89	22.13

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **White mustard seed, powdered**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40285-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

White mustard seed, powdered; Erucae semen plv.; Semen sinapis albae plv.

Special notes

When selecting the *White mustard seed, powdered* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *White mustard seed, powdered*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Klenk	White mustard se...	7254A110823	40285	40	20110912
Klenk	White mustard se...	7254A110823	40528	40	1403282
Caelo	White mustard se...	12349601	40624	60	1403281
Caelo	White mustard se...	12375705	40910	40	20130110

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 180 spectra of 4 reference samples from the substance/substance group *White mustard seed, powdered*. These samples are listed above in the [calibration samples](#) section.
- 14 839 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 0 spectra of 0 reference samples from the substance/substance group *White mustard seed, powdered*.
- 145 744 spectra from a total of 2517 batches from further 602 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 16 spectra from 7 *Apo-Ident* customers from 8 batches from the substance/substance group *White mustard seed, powdered*.

Supplier	Substance	Batch	Spectra
Caelo	White mustard seed, powdered	12375702	1
Caelo	White mustard seed, powdered	7254a110823	1
Caelo	White mustard seed, powdered	12375705	5
Caelo	White mustard seed, powdered	13224804	3
Caelo	White mustard seed, powdered	12375706	2
Caelo	White mustard seed, powdered	11114409	1
Caelo	White mustard seed, powdered	12375701	1
Anzag 19.09.2012	White mustard seed, powdered	11114409	1
Caelo	White mustard seed, powdered	12375704	1

- 55 969 spectra from 335 *Apo-Ident* customers from a total of 20 598 batches from a further 683 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *White mustard seed, powdered* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *White mustard seed, powdered* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	180	0	14 839
Type B	0	0	0	145 744
Type C	0	12	4	55 969

The substance/substance group *White mustard seed, powdered* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9353 %)	100.0000 % (> 96.6667 %)
Type B	100.0000 % (> 99.9860 %)	n/a (n/a)
Type C	100.0000 % (> 99.8622 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra ([Rule of Three](#) [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the [Mahalanobis distance](#) to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40285	40624	4.79	25.88
40528	40528	0.00	28.12
40624	40624	0.00	26.77
40910	40624	6.33	27.45

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **White pepper**
Substance class Drugs
Report date 04/07/2017
Report number 40808-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

White pepper; Fructus Piperis albi tot.; Piper album tot.

Special notes

When selecting the *White pepper* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *White pepper*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	White pepper	12294902	40808	38	1403488
Caelo	White pepper	12294905	40894	40	20121130
Caelo	White pepper	14010703	40977	40	20140122

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 118 spectra of 3 reference samples from the substance/substance group *White pepper*. These samples are listed above in the [calibration samples](#) section.
- 14 901 spectra from a total of 333 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 2 spectra of 1 reference samples from the substance/substance group *White pepper*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	White pepper	12294902	40808 [†]	2

- 145 742 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *White pepper*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

[†]These spectra were recorded from material of the same package as the corresponding calibration spectra (*Type A*). Hence, these spectra are not independent and are not of *Type B*.

Validation results

The validation runs checked whether the substance/substance group *White pepper* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *White pepper* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	115	3	14 901
Type B	0	0	2	145 742
Type C	0	0	0	55 985

The substance/substance group *White pepper* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9355 %)	97.4576 % (> 94.9153 %)
Type B	100.0000 % (> 99.9870 %)	n/a (n/a)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40808	40808	0.00	19.17
40894	40808	4.84	18.99
40977	40808	8.70	23.30

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Yam root extract**
Substance class Drugs
Report date 04/07/2017
Report number 40419-2017-07-04
Executing company HiperScan GmbH
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Yam root extract; Dioscorea villosa Extractum sicc.; Extractum dioscoreae villosa sicc.

Special notes

When selecting the *Yam root extract* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]
Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]
AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Yam root extract*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Dr. Behr	Yam root extract	WE14020005-05	40948	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 40 spectra of 1 reference samples from the substance/substance group *Yam root extract*. These samples are listed above in the [calibration samples](#) section.
- 14 979 spectra from a total of 335 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 1 reference samples from the substance/substance group *Yam root extract*.

Supplier	Substance	Batch	Sample ID	Spectra
Dr. Behr	Yam root extract	WE12040018-01	40419	40

- 145 704 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Yam root extract*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Yam root extract* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Yam root extract* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	40	0	14 979
Type B	0	0	40	145 704
Type C	0	0	0	55 985

The substance/substance group *Yam root extract* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate* (*specificity*) and the weighted *true positive rate* (*recognition rate*) are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9369 %)	100.0000 % (> 85.0000 %)
Type B	100.0000 % (> 99.9861 %)	0.0000 % (≥ 0.0000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40948	40948	0.00	37.50

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

VALIDATION REPORT

IdentModul 1.3-2017-04

Validated substance/substance group **Yellow brazil wood, cut**
Substance class **Drugs**
Report date **04/07/2017**
Report number **40318-2017-07-04**
Executing company **HiperScan GmbH**
Weißeritzstraße 3
01067 Dresden
Germany

Relevant substance names

Yellow brazil wood, cut; Citrinum lignum conc.; Lignum Citrinum conc.

Special notes

When selecting the *Yellow brazil wood, cut* substance/substance group, the following information is displayed to the user:

no information

Applicable documents

978-3-7692-5416-7 *European Pharmacopoeia 8th Edition, Basic Version 2014* [3]

Komm2.2.40 *Erfüllung von 2.2.40 Ph. Eur. durch Apo-Ident* [4]

AA004 *Erstellung und Validierung eines IdentModul-Updates*

Validation method

Validation is performed after every change to the chemometric model (also “database”) in three steps:

1. The chemometric model is calculated from the calibration spectra using a *PCA algorithm*. The calibration spectra originate from the calibration samples of all substances in this class.
2. In the *chemometric model* generated, the distances between all separable substances are checked for compliance with the specified safety distances.
3. All spectra are presented to the generated chemometric model for evaluation. In three runs, the reference spectra (*Type A*), spectra from independent samples (*Type B*), and spectra from the field (*Type C*) are presented successively. Here, no single *false positive* result is permitted.

Finally, a report is generated from the validation run results and is archived together with the parameters of the model generation in audit-compliant manner.

Calibration samples

Only spectra which have been recorded by *HiperScan GmbH* from traceable samples are used for the generation of the [chemometric models](#). The following samples have been obtained from the substance/substance group *Yellow brazil wood, cut*:

Supplier	Substance	Batch	Sample ID	Spectra	Certificate
Caelo	Yellow brazil wo...	12074803	40802	40	1403479
Caelo	Yellow brazil wo...	12074804	40928	40	pending

Validation samples

A total of 216 748 spectra were provided for validation. The results were evaluated separately according to the following sample categories:

Type A All calibration spectra.

- 80 spectra of 2 reference samples from the substance/substance group *Yellow brazil wood, cut*. These samples are listed above in the [calibration samples](#) section.
- 14 939 spectra from a total of 334 batches from further 100 substances. These spectra were recorded by *HiperScan GmbH*. *Type A* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type A* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix A](#). The samples in [Appendix A](#) were added for model generation not with the intention to have the model identify these substances, but with the intention to make the model reject them despite their similarity to substances identifiable.

Type B Spectra from independent samples not included in the database structure. Measurement is carried out by *HiperScan GmbH*.

These samples are allowed to originate from the same batch as calibration samples (*Type A*) as long as the package differs. In the following table spectra recorded from the same package as the corresponding calibration samples (*Type A*) are highlighted by [†].

- 40 spectra of 1 reference samples from the substance/substance group *Yellow brazil wood, cut*.

Supplier	Substance	Batch	Sample ID	Spectra
Caelo	Yellow brazil wood, cut	11336405	40318	40

- 145 704 spectra from a total of 2516 batches from further 601 substances. These spectra were recorded by *HiperScan GmbH*. *Type B* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type B* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix B](#).

Type C Spectra of independent samples not included in the database structure. *Apo-Ident* customers carry out the measurements. *HiperScan GmbH* generally does not verify the information provided by the customer regarding manufacturer and batch number.

- 0 spectra from 0 *Apo-Ident* customers from 0 batches from the substance/substance group *Yellow brazil wood, cut*.
- 55 985 spectra from 335 *Apo-Ident* customers from a total of 20 606 batches from a further 684 substances. These spectra were recorded by *Apo-Ident* customers. *Type C* samples are documented within this entire report. If the substance can be identified with this [chemometric model](#), the samples are listed in the *Type C* section of each substance page. If the substance cannot be identified by this model, the samples are listed in [Appendix C](#).

Validation results

The validation runs checked whether the substance/substance group *Yellow brazil wood, cut* can clearly be distinguished from all other substances using NIR spectroscopy with *Apo-Ident*. For this purpose, all relevant spectra of the various substances were compared with *Yellow brazil wood, cut* and it was evaluated how many matches (positive) and rejections (negative) were correct or incorrect. The following table breaks down the numbers of correct and incorrect results according to the expected result (*positive/negative*) and the validation spectrum type (*A/B/C*).

	False positive	True positive	False negative	True negative
Type A	0	80	0	14 939
Type B	0	22	18	145 704
Type C	0	0	0	55 985

The substance/substance group *Yellow brazil wood, cut* can be clearly distinguished from all other substances. In order to make these figures comparable, the weighted *true negative rate (specificity)* and the weighted *true positive rate (recognition rate)* are determined:

	Specificity	Recognition rate
Type A	100.0000 % (> 99.9359 %)	100.0000 % (> 92.5000 %)
Type B	100.0000 % (> 99.9861 %)	55.0000 % (> 47.5000 %)
Type C	100.0000 % (> 99.8621 %)	n/a (n/a)

In order to ensure that each substance is entered with the same weight irrespective of the number of spectra available, each spectrum is weighted with the reciprocal value of its number. (If several new spectra of a substance with a very distinctive spectrum are added, the values for *specificity* and *recognition rate* are safer, but are by no means idealised.)

In order to illustrate the impact of the number of spectra, a comparison is made in parentheses as to how the *specificity* or *recognition rate* would worsen if three additional incorrect results were to exist amongst the spectra (*Rule of Three* [10, 11]). The larger the number of spectra, the lower the deterioration if the three hypothetical *incorrect results* were added.

Where the number of spectra does not exceed 20, no *recognition rate* is provided.

Identity according to identity test using NIR spectroscopy

For each substance, a certificate of the correct identity is obtained from an independent GMP-certified test laboratory. If the identity of the sample can be provided using NIR on an independently tested reference sample, in the following table the *Mahalanobis distance* to the reference sample is specified as well as the *Mahalanobis distance* to the next non-identical substance:

Sample ID	Reference sample ID	Distance to reference sample	Distance to next foreign sample
40802	40802	0.00	19.76
40928	40802	2.53	23.20

Such samples underline the statistical spread of the original reference substance, but cannot add any new characteristics of the substance.

Appendix A: Additional calibration samples (Type A)

Not required.

Appendix B: Additional validation samples (*Type B*)

It is necessary that spectra also enter the validation which cannot be identified with this model. In this manner, it is verified that the model also rejects unknown substances. The spectra for these samples were recorded by *HiperScan GmbH*. They are allocated to the *Type B*. They also include the calibration spectra for other models.

The samples originate from 3105 batches. From these 142 328 spectra were recorded. The spectra recorded on independent samples of substances which can be identified with the model are listed respectively in the section *Type B* for the individual substances and do not appear again elsewhere in this list.

Supplier	Substance	Batch	Spectra	Certificate
abcr GmbH	Amygdalin	1310927	40	not necessary
abcr GmbH	Amygdalin	1310579	40	not necessary
abcr GmbH	Dimercaptosuccin...	1005874	39	from supplier
abcr GmbH	Glycyrrhizic acid	1222024	40	from supplier
Alfa Aesar	Theobromine, 99%	A11861	44	not available
AppliChem	Papain	1G000215	40	1407433
AppliChem	Riboflavin	3E003567	40	not necessary
Audor	Alfatradiol	AP33-16-I-62P2985A	40	not necessary
Audor	Alfatradiol	AP33-16-I-62P2985A	40	not necessary
Audor	Colistin sulfate	APKB-CS-1602026C	40	not necessary
Audor	Colistin sulfate	APKB-CS-1602026C	40	not necessary
Audor	Colistin sulfate	APKB-CS-1603034C	40	not necessary
Audor	Dithranole	pending	49	AR-12-FG-003000-01
Audor	Fluconazole	AP061502911F	40	AR-16-FG-014225-01
Audor	Fluconazole	AP061502911F	60	AR-16-FG-008733-01
Audor	Fluconazole	AP061502911F	40	not necessary
Audor	Fluconazole	AP061502911F	60	not necessary
Audor	Fluconazole	AP061502911F	40	not necessary
Audor	Fluconazole	AP061502911F	40	not necessary
Audor	Hyaluronic acid ...	AP30101404H	55	not necessary
Audor	Naloxone hydroch...	AP13501078IIN	40	not necessary
Audor	Tobramycin sulfate	AP15061047002T	40	1608462
Berco	Maltodextrin	445-11	40	not available
Biogenerics	Dimercaptosuccin...	100805	40	from supplier
Bombastus	Non-ionic emulsi...	00238393	50	not necessary
Bombastus	Non-ionic emulsi...	00267575	40	not necessary
Bulk Medicine...	alpha-tocopheryl...	2009060301	40	AR-12-FG-010838-01
caelo	Sodium edetate	15427714	13	not required
Caelo	5-aminolevulinic...	16357904	40	20170324
Caelo	Acetylcysteine	163340	40	20170208*
Caelo	Acetylcysteine	161398	60	20160520*
Caelo	Acetylcysteine	12299020	40	not necessary
Caelo	Acetylcysteine	08309805	40	not necessary
Caelo	Acetylsalicylic ...	161316	40	20160825*
Caelo	Acetylsalicylic ...	13297509	40	not necessary
Caelo	Acetylsalicylic ...	11257102	40	not necessary
Caelo	Acetylsalicylic ...	11257102	40	AR-14-FG-002828-01
Caelo	Alfatradiol	13201601	60	not necessary
Caelo	Alfatradiol	13201601	120	not necessary
Caelo	Alfatradiol	11061005	40	not necessary
Caelo	Alfatradiol	13201601	60	not necessary
Caelo	Allantoin	91749379	40	F 2009 000 959
Caelo	Allantoin	162289	40	20160815*
Caelo	Aluminium chlori...	10026113	40	not necessary
Caelo	Aluminium oxide,...	12163019	40	not necessary
Caelo	Aluminium oxide,...	13119121	40	not necessary
Caelo	Aluminium potass...	10079208	40	from supplier
Caelo	Aluminium potass...	12144605	40	from supplier

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Ambroxol hydroch...	161996	40	20160810*
Caelo	Ammonium chloride	12356101	40	not necessary
Caelo	Ammonium chloride	10176319	40	AR-13-FG-001330-01
Caelo	Ammonium hydroge...	81675468	40	not necessary
Caelo	Amphetamine sulf...	13344603	60	0814J-03361
Caelo	Amphetamine sulf...	13344603	40	0814J-03361
Caelo	Ascorbic acid	09306404	40	AR-12-FG-009254-01
Caelo	Ascorbic acid	12350011	40	not necessary
Caelo	Ascorbic acid	160569	60	not available
Caelo	Ascorbic acid	163452	40	20170125*
Caelo	Atropine sulfate	15301601	60	not necessary
Caelo	Atropine sulfate	11180602	40	1405538
Caelo	Atropine sulfate	16326802	40	not necessary
Caelo	Atropine sulfate	16326802	40	not necessary
Caelo	Atropine sulfate	13357405	45	1504594
Caelo	Atropine sulfate	15301601	60	not necessary
Caelo	Atropine sulfate	14336806	60	1510209
Caelo	Atropine sulfate	14336806	60	1510209
Caelo	Atropine sulfate	13173808	40	1403483
Caelo	Bentonite	pending	40	AR-14-FG-000423-01
Caelo	Bentonite	11304413	40	not necessary
Caelo	Bentonite	11304413	30	not necessary
Caelo	Bentonite	12237603	40	not necessary
Caelo	Benzocaine	161740	40	20160809*
Caelo	Benzocaine	12341904	40	1411055
Caelo	Benzocaine	13213509	60	1706017
Caelo	Benzoic acid	15084614	40	20150318
Caelo	Benzoic acid	15084614	40	not necessary
Caelo	Benzoic acid	13391310	60	not necessary
Caelo	Benzoic acid	15084611	40	not necessary
Caelo	Betaine monohydr...	11117715	40	not necessary
Caelo	Betaine monohydr...	12336602	40	1403327
Caelo	Betamethasone di...	13236803	35	not necessary
Caelo	Betamethasone di...	13236803	40	not necessary
Caelo	Betamethasone di...	13236803	60	not necessary
Caelo	Betamethasone di...	13372501	40	AR-15-FG-005428-01
Caelo	Betamethasone di...	13372501	45	AR-15-FG-005428-01
Caelo	Betamethasone di...	13236803	46	not necessary
Caelo	Betamethasone va...	13225507	60	1706018
Caelo	Betamethasone va...	13091213	40	not necessary
Caelo	Betamethasone va...	82806109	30	I 2009 000 283
Caelo	Bifonazole	15152702	40	not necessary
Caelo	Bifonazole	15152702	40	not necessary
Caelo	Bifonazole	15152701	40	not necessary
Caelo	Biotin	163432	40	20170119*
Caelo	Biotin	16164313	40	not necessary
Caelo	Biotin	163432	40	20170119*
Caelo	Biotin	16164313	40	not necessary
Caelo	Bismuth gallath,...	13179105	40	1412254
Caelo	Bismuth gallath,...	13179105	60	not necessary
Caelo	Boldo leaf, cut	13367904	40	not necessary
Caelo	Boric acid	15425112	40	not necessary
Caelo	Boric acid	15242903	40	not necessary
Caelo	Boric acid	14133119	60	not necessary
Caelo	Budesonide, micr...	11351704	30	AR-15-FG-005286-01
Caelo	Budesonide, micr...	161431	25	20160606*
Caelo	Budesonide, micr...	15344004	40	not necessary
Caelo	Budesonide, micr...	11351706	40	not necessary
Caelo	Budesonide, micr...	15344004	30	not necessary
Caelo	Budesonide, micr...	161431	40	20160606*

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Budesonide, micr...	11351706	40	1312398
Caelo	Buprenorphine hy...	12172908	60	0814I-07774
Caelo	Buprenorphine hy...	10242705	40	not necessary
Caelo	Buprenorphine hy...	12172908	40	0814I-07774
Caelo	Butylated hydrox...	13354604	40	AR-15-FG-007846-02
Caelo	Butylated hydrox...	15172103	60	not necessary
Caelo	Butylated hydrox...	13354602	40	not necessary
Caelo	Butylated hydrox...	11131002	40	not necessary
Caelo	Butylated hydrox...	15172103	60	not necessary
Caelo	Butylated hydrox...	15172103	60	not necessary
Caelo	Caffeine	12317911	40	not necessary
Caelo	Caffeine	13233105	60	not necessary
Caelo	Caffeine	12317911	40	not necessary
Caelo	Caffeine	15082303	40	not necessary
Caelo	Caffeine	13233104	60	not necessary
Caelo	Calcium ascorbate	10365208	40	AR-12-FG-008408-01
Caelo	Calcium ascorbate	13105624	40	not necessary
Caelo	Calcium ascorbate	163111	40	20161207*
Caelo	Calcium chloride...	10103114	40	not necessary
Caelo	Calcium citrate ...	13391203	40	not necessary
Caelo	Calcium citrate ...	13391203	40	not necessary
Caelo	Calcium citrate ...	90034189	60	I 2009 000 304
Caelo	Calcium gluconate	12236502	40	1401575
Caelo	Calcium gluconate	12335829	40	not necessary
Caelo	Calcium glycerop...	12012411	40	not necessary
Caelo	Calcium glycerop...	12012413	40	not necessary
Caelo	Calcium glycerop...	12012417	40	not necessary
Caelo	Calcium glycerop...	12012411	40	not necessary
Caelo	Calcium glycerop...	12012405	40	not necessary
Caelo	Calcium glycerop...	14341007	60	AR-16-FG-005932-01
Caelo	Calcium glycerop...	12012417	40	not necessary
Caelo	Calcium glycerop...	12012403	40	AR-13-FG-002432-01
Caelo	Calcium glycerop...	11160607	40	AR-12-FG-007581-01
Caelo	Calcium glycerop...	13007912	40	not necessary
Caelo	Calcium hydrogen...	10135201	40	not necessary
Caelo	Calcium lactate ...	15101401	60	not necessary
Caelo	Calcium lactate ...	161313	60	20160513*
Caelo	Calcium lactate ...	15101405	60	not necessary
Caelo	Calcium pantothe...	14208012	60	not necessary
Caelo	Calcium sulfate ...	10132401	40	not necessary
Caelo	Calcium sulfate ...	09246306	40	not necessary
Caelo	Camphor	82383109	30	I 2009 000 293
Caelo	Camphor	15316801	60	not necessary
Caelo	Camphor	162354	40	20160809*
Caelo	Camphor	11074503	40	not necessary
Caelo	Captopril	12339610	40	1403227
Caelo	Captopril	15189502	60	AR-15-FG-014855-01
Caelo	Captopril	15189502	60	AR-15-FG-014855-01
Caelo	Carbachol	11150302	40	1401147
Caelo	Carbomer 35000 /...	14057903	60	not necessary
Caelo	Carbomer 35000 /...	14057902	40	not necessary
Caelo	Carbomer 35000 /...	162530	40	20161011*
Caelo	Carbomer 35000 /...	13186207	40	1403768
Caelo	Carbomer 35000 /...	13135601	40	1403767
Caelo	Carbomer 35000 /...	11351611	40	not necessary
Caelo	Carbomer 35000 /...	11351604	40	not necessary
Caelo	Carbomer 35000 /...	11351507	40	not necessary
Caelo	Carmellose sodiu...	12354404	40	1401185
Caelo	Carmellose sodiu...	13104807	40	1401186
Caelo	Carmellose sodiu...	16171406	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Carmellose sodiu...	161714	40	20160713*
Caelo	Carmellose sodiu...	14029211	40	not necessary
Caelo	Carmellose sodiu...	13299310	60	not necessary
Caelo	Cetostearyl alco...	14054504	40	not necessary
Caelo	Cetostearyl alco...	82753089	60	not necessary
Caelo	Cetostearyl alco...	14054504	60	not necessary
Caelo	Cetyl alcohol	13286502	40	not necessary
Caelo	Cetyl alcohol	161063	40	20160420*
Caelo	Cetyl alcohol	161063	40	20160420*
Caelo	Cetyl alcohol	161063	40	20160420*
Caelo	Cetyl alcohol	161063	40	20160420*
Caelo	Cetyl alcohol	161063	40	20160420*
Caelo	Cetyl alcohol	10144209	30	not necessary
Caelo	Cetyl alcohol	161063	40	20160420*
Caelo	Cetyl alcohol	13096901	40	1405179
Caelo	Cetyl alcohol	13286502	60	not necessary
Caelo	Cetyl alcohol	15323301	60	AR-16-FG-008835-01
Caelo	Cetyl palmitate 15	15301703	60	not necessary
Caelo	Cetyl palmitate 15	160538	60	20160323*
Caelo	Cetyl palmitate 15	13295919	20	pending
Caelo	Cetyl palmitate 15	13295919	40	not necessary
Caelo	Cetyl palmitate 15	12331916	40	1402429
Caelo	Cetyl palmitate 15	14351606	60	not necessary
Caelo	Cetyl palmitate 15	15301703	60	AR-16-FG-007435-01
Caelo	Chloral hydrate	16355802	40	not necessary
Caelo	Chloral hydrate	13213311	40	not necessary
Caelo	Chloral hydrate	15448318	40	1704462
Caelo	Chloramphenicol	13080924	60	1509287
Caelo	Chloramphenicol	14346908	60	not necessary
Caelo	Chloramphenicol	11370716	40	not necessary
Caelo	Chloramphenicol	15358906	40	not necessary
Caelo	Chloramphenicol	12248507	40	not necessary
Caelo	Chlorhexidine di...	15438914	40	1704392
Caelo	Chlorhexidine di...	12142726	40	1402685
Caelo	Chlorhexidine di...	152610	40	20150805*
Caelo	Chlorhexidine di...	12142727	40	not necessary
Caelo	Chlorhexidine di...	15438914	40	not necessary
Caelo	Chlorhexidine di...	154389	40	2060309*
Caelo	Chlorhexidine di...	15438913	40	20160309*
Caelo	Chlorhexidine di...	154389	40	2060309*
Caelo	Chlorhexidine di...	09113914	40	not necessary
Caelo	Chlorhexidine di...	154389	40	2060309*
Caelo	Chlorhexidine di...	15438909	40	2060309*
Caelo	Chlorhexidine di...	154389	60	20160309*
Caelo	Chlorocresol	13275106	60	not necessary
Caelo	Chlorocresol	1211107	40	not necessary
Caelo	Chlorocresol	09282613	50	AR-12-FG-002991-01
Caelo	Chlorocresol	13275106	60	not necessary
Caelo	Cholesterol	11242104	40	AR-13-FG-002658-01
Caelo	Cholesterol	160444	60	20160222*
Caelo	Cholesterol	13148703	40	not necessary
Caelo	Choline chloride	14273819	40	not necessary
Caelo	Choline chloride	162092	40	20160801*
Caelo	Choline chloride	14273819	40	not necessary
Caelo	Ciclopirox olamine	15364408	40	not necessary
Caelo	Ciclopirox olamine	14378809	60	not necessary
Caelo	Ciclopirox olamine	14378809	60	not necessary
Caelo	Ciclopirox olamine	14147406	60	AR-15-FG-014857-01
Caelo	Ciclopirox olamine	13343209	40	AR-15-FG-016214-01
Caelo	Ciclopirox olamine	15364408	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Ciclopirox olamine	14147406	60	AR-15-FG-014857-01
Caelo	Ciclopirox olamine	12040906	40	not necessary
Caelo	Ciclopirox olamine	12040904	40	1401161
Caelo	Ciclopirox olamine	pending	40	not necessary
Caelo	Ciclosporin	12317707	40	not necessary
Caelo	Ciclosporin	15278907	40	not necessary
Caelo	Ciclosporin	13148604	60	1412541
Caelo	Ciclosporin	13148604	60	not necessary
Caelo	Cinnamon rods (C...	11247009	40	AR-12-FG-008665-01
Caelo	Cinnamon rods (C...	13241807	40	not necessary
Caelo	Citric acid mono...	161865	40	20160706*
Caelo	Citric acid mono...	15185301	60	not necessary
Caelo	Citric acid mono...	82803249	30	I 2009 000 297
Caelo	Citric acid, anh...	91584259	70	I 2009 000 298
Caelo	Citric acid, anh...	12043112	40	not necessary
Caelo	Citric acid, anh...	162086	40	20160720*
Caelo	Citric acid, anh...	162154	40	20160725*
Caelo	Citric acid, anh...	160386	60	20160315*
Caelo	Citric acid, anh...	13396502	60	not necessary
Caelo	Citric acid, anh...	160387	60	20160316*
Caelo	Citric acid, anh...	11380204	40	not necessary
Caelo	Citric acid, anh...	13243213	40	not necessary
Caelo	Clindamycin hydr...	15392809	40	not necessary
Caelo	Clindamycin-2-di...	15435801	60	AR-16-FG-009129-01
Caelo	Clindamycin-2-di...	13166605	40	not necessary
Caelo	Clindamycin-2-di...	163265	40	2061214*
Caelo	Clindamycin-2-di...	15435801	60	not necessary
Caelo	Clindamycin-2-di...	13166605	40	1403485
Caelo	Clindamycin-2-di...	163265	40	2061214*
Caelo	Clindamycin-2-di...	14257305	60	AR-15-FG-015412-01
Caelo	Clindamycin-2-di...	14257305	60	AR-15-FG-015412-01
Caelo	Clioquinol	13114413	40	not necessary
Caelo	Clioquinol	11304120	40	not necessary
Caelo	Clioquinol	163072	40	20161202*
Caelo	Clioquinol	16307206	40	not necessary
Caelo	Clobetasol propi...	161067	60	20160422*
Caelo	Clobetasol propi...	13269505	60	AR-15-FG-000622-02
Caelo	Clobetasol propi...	14338001	59	AR-16-FG-008581-01
Caelo	Clobetasol propi...	13134705	80	AR-15-FG-005328-01
Caelo	Clobetasol propi...	161067	48	20160422*
Caelo	Clobetasol propi...	15439504	37	not necessary
Caelo	Clobetasol propi...	82805079	100	I 2009 000 284
Caelo	Clobetasol propi...	14338001	45	1607072
Caelo	Clobetasol propi...	14338001	60	AR-16-FG-008581-01
Caelo	Clobetasol propi...	15439504	40	not necessary
Caelo	Clobetasol propi...	14338001	59	1607072
Caelo	Clotrimazole	13184113	40	not necessary
Caelo	Clotrimazole	13224220	40	not necessary
Caelo	Clotrimazole	13224204	40	not necessary
Caelo	Clotrimazole	91457249	30	I 2009 000 254
Caelo	Clotrimazole	12320815	30	not necessary
Caelo	Clotrimazole	13224220	40	not necessary
Caelo	Cocaine hydrochl...	15224802	60	1316Q-01278
Caelo	Cocaine hydrochl...	15224802	60	1316Q-01278
Caelo	Cocaine hydrochl...	13259305	60	0814J-01278
Caelo	Cocaine hydrochl...	13259305	40	0814J-01278
Caelo	Cocaine hydrochl...	15224802	60	1316Q-01278
Caelo	Cocaine hydrochl...	15224802	60	1316Q-01278
Caelo	Cocoa butter	81070139	70	I 2009 000 296
Caelo	Cocoa butter	13292013	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Cocoa butter	14348906	60	not necessary
Caelo	Cocoa butter	163165	40	20161116*
Caelo	Codeine phosphat...	15350703	60	1316R-01279
Caelo	Codeine phosphat...	13071504	60	0814J-01279
Caelo	Codeine phosphat...	13071504	40	0814J-01279
Caelo	Codeine phosphat...	11234808	40	not necessary
Caelo	Codeine phosphat...	15350703	60	1316R-01279
Caelo	Colophony	15186804	60	AR-16-FG-005931-01
Caelo	Colophony	161332	40	20160510*
Caelo	Colophony	10147506	40	1402095
Caelo	Colophony	12301410	60	AR-15-FG-016314-01
Caelo	Copper (II) sulf...	08258803	40	not necessary
Caelo	Corn starch	161385	60	20160621*
Caelo	Corn starch	91955439	50	AR-12-FG-002851-01
Caelo	Corn starch	13154914	60	not necessary
Caelo	Cyanocobalamin	13342803	40	AR-15-FG-005429-01
Caelo	Cyanocobalamin	13342807	60	AR-15-FG-014917-01
Caelo	Cyanocobalamin	13342807	60	AR-15-FG-014917-01
Caelo	Cyanocobalamin	09351704	40	not necessary
Caelo	Cyanocobalamin	160154	60	20160309*
Caelo	Cyanocobalamin	160154	60	20160309*
Caelo	Dapsone	16073502	40	not necessary
Caelo	Dapsone	16073502	40	not necessary
Caelo	Dapsone	160735	60	20160405*
Caelo	Dequalinium chlo...	15402803	40	20160219
Caelo	Dequalinium chlo...	12361906	60	not necessary
Caelo	Dequalinium chlo...	15218406	40	not necessary
Caelo	Dequalinium chlo...	12361906	60	not necessary
Caelo	Dequalinium chlo...	11166203	40	AR-13-FG-000831-01
Caelo	Dequalinium chlo...	12361906	120	not necessary
Caelo	Dequalinium chlo...	1166204	40	AR-12-FG-007019-01
Caelo	Dequalinium chlo...	12361908	40	1412076
Caelo	Dequalinium chlo...	15218406	40	not necessary
Caelo	Dequalinium chlo...	09336412	45	not necessary
Caelo	Dequalinium chlo...	12361906	60	not necessary
Caelo	Dequalinium chlo...	12077503	40	not necessary
Caelo	Dexamethasone	13084315	60	AR-15-FG-006810-01
Caelo	Dexamethasone	13084306	40	pending
Caelo	Dexamethasone	81002179	30	I 2009 000 272
Caelo	Dexamethasone ac...	11093210	40	AR-12-FG-008544-01
Caelo	Dexamethasone ac...	161066	42	20160426*
Caelo	Dexamethasone ac...	13260703	40	1412430
Caelo	Dexamethasone ac...	161066	60	20160426*
Caelo	Dexamethasone ac...	13260706	60	1502537
Caelo	Dexamethasone ac...	14200207	45	not necessary
Caelo	Dexamethasone ac...	10145912	40	not necessary
Caelo	Dexamethasone ac...	14200207	60	not necessary
Caelo	Diclofenac sodium	12214219	29	not necessary
Caelo	Diclofenac sodium	13214311	60	not necessary
Caelo	Diclofenac sodium	163492	40	20170112*
Caelo	Diclofenac sodium	13214311	60	not necessary
Caelo	Diclofenac sodium	80110508	30	I 2009 000 267
Caelo	Dihydrocodeine h...	13267601	40	0914A-03065
Caelo	Dihydrocodeine h...	10223612	40	not necessary
Caelo	Dihydrocodeine h...	15295901	60	1316Q-03065
Caelo	Dihydrocodeine h...	15295901	60	1316Q-03065
Caelo	Dihydrocodeine h...	12142506	40	0914B-03065
Caelo	Dihydrocodeine h...	12142506	60	0914B-03065
Caelo	Dihydrocodeine h...	13267601	60	0914A-03065
Caelo	Diltiazem hydroc...	91400279	30	I 2009 000 345

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Diltiazem hydroc...	13346914	60	not necessary
Caelo	Diltiazem hydroc...	161908	40	20160715*
Caelo	Diltiazem hydroc...	13346914	60	not necessary
Caelo	Diltiazem hydroc...	13346914	40	not necessary
Caelo	Dimethyl fumarate	13269801	60	1506634
Caelo	Diphenhydramine ...	12329816	60	not necessary
Caelo	Diphenhydramine ...	15072617	40	not necessary
Caelo	Diphenhydramine ...	82811179	40	not necessary
Caelo	Diphenhydramine ...	12329816	40	not necessary
Caelo	Diphenhydramine ...	82811299	50	AR-12-FG-002704-01
Caelo	Dithranole	90987209	32	I 2009 000 268
Caelo	Doxylamine hydro...	15203906	40	not necessary
Caelo	Doxylamine hydro...	15203906	40	not necessary
Caelo	Dry beads Caelo...	12382203	40	from supplier
Caelo	Dry beads Caelo...	11005804	40	from supplier
Caelo	Emulgade® 1000 NI	160804	40	20160323*
Caelo	Emulgade® 1000 NI	160804	40	20160323*
Caelo	Emulgade® 1000 NI	15277504	40	not necessary
Caelo	Emulgade® 1000 NI	160804	40	20160323*
Caelo	Emulgade® 1000 NI	14055001	40	not necessary
Caelo	Emulsifying ceto...	153856	60	20160210*
Caelo	Emulsifying ceto...	13233005	60	not necessary
Caelo	Emulsifying ceto...	10040502	40	not necessary
Caelo	Emulsifying ceto...	14322505	60	not necessary
Caelo	Emulsifying ceto...	153857	60	20151202*
Caelo	Emulsifying ceto...	11L22-N09	40	not available
Caelo	Emulsifying ceto...	153856	60	20160210*
Caelo	Emulsifying ceto...	13233005	30	1506057
Caelo	Emulsifying ceto...	153857	60	20151202*
Caelo	Ephedrine hydroc...	13323305	40	not necessary
Caelo	Ephedrine hydroc...	10103408	40	not necessary
Caelo	Ephedrine hydroc...	12017217	40	1511635
Caelo	Ephedrine hydroc...	161197	60	20160420*
Caelo	Ephedrine hydroc...	14378502	60	not necessary
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	12120202	40	1405614
Caelo	Epinephrine hydr...	12337805	40	not necessary
Caelo	Epinephrine hydr...	14007802	60	not necessary
Caelo	Epinephrine hydr...	14007802	60	1603180
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	14007802	60	1603180
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	12337804	40	not necessary
Caelo	Epinephrine hydr...	162764	40	20161103*
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	14007802	20	not necessary
Caelo	Epinephrine hydr...	162764	40	20161103*
Caelo	Epinephrine hydr...	14007802	60	not necessary
Caelo	Epinephrine hydr...	14007802	60	not necessary
Caelo	Erythromycin	160795	60	20160408*
Caelo	Erythromycin	160796	60	20160408*

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Erythromycin	13175601	40	not necessary
Caelo	Erythromycin	160792	60	20160408*
Caelo	Erythromycin	160797	60	20160408*
Caelo	Erythromycin	10006107	40	not necessary
Caelo	Erythromycin	81907518	80	I 2009 000 262
Caelo	Estradiol benzoate	13277607	40	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	60	not necessary
Caelo	Estradiol hemihy...	13285802	60	1510622
Caelo	Estradiol hemihy...	13285802	60	1410504
Caelo	Estradiol hemihy...	13285802	60	not necessary
Caelo	Estradiol hemihy...	13285802	60	1510622
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	12268016	40	1410502
Caelo	Estradiol hemihy...	11078109	40	AR-13-FG-008661-01
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol hemihy...	13285802	20	not necessary
Caelo	Estradiol valerate	163277	40	20161221*
Caelo	Estradiol valerate	13264001	120	1510624
Caelo	Estradiol valerate	13264001	60	1410503
Caelo	Estradiol valerate	15194802	60	not necessary
Caelo	Estradiol valerate	13264001	20	not necessary
Caelo	Estradiol valerate	13264001	45	1410503
Caelo	Estradiol valerate	13264001	45	1510624
Caelo	Estradiol valerate	13264001	60	1410503
Caelo	Estradiol valerate	13264001	20	not necessary
Caelo	Estradiol valerate	13264001	20	not necessary
Caelo	Estradiol valerate	13264001	20	not necessary
Caelo	Estradiol valerate	13264001	20	not necessary
Caelo	Estradiol valerate	13264001	20	not necessary
Caelo	Estradiol valerate	13264001	20	not necessary
Caelo	Estradiol valerate	163277	40	20161221*
Caelo	Estradiol valerate	15194802	30	not necessary
Caelo	Estradiol valerate	13264001	14	not necessary
Caelo	Estradiol valerate	13264001	15	not necessary
Caelo	Estradiol valerate	13264001	15	not necessary
Caelo	Estradiol valerate	13264001	15	not necessary
Caelo	Estradiol valerate	13264001	17	not necessary
Caelo	Estradiol valerate	13264001	16	not necessary
Caelo	Estradiol valerate	13264001	15	not necessary
Caelo	Estriol	13256001	60	not necessary
Caelo	Estriol	13256001	20	not necessary
Caelo	Estriol	13256001	15	not necessary
Caelo	Estriol	12298706	40	not necessary
Caelo	Estriol	13256001	60	not necessary
Caelo	Estriol	161382	40	20160523*
Caelo	Estriol	13256001	70	1511155
Caelo	Estriol	13256001	20	not necessary
Caelo	Estriol	161382	40	20160523*
Caelo	Estriol	13256001	60	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Estriol	13256001	20	not necessary
Caelo	Estriol	13256001	20	not necessary
Caelo	Estriol	13256001	15	not necessary
Caelo	Estriol	13256001	20	not necessary
Caelo	Estriol	13256001	20	not necessary
Caelo	Estriol	13256001	60	1511155
Caelo	Estriol	13256001	20	not necessary
Caelo	Estriol	13256001	20	not necessary
Caelo	Estriol	13256001	20	not necessary
Caelo	Estriol	13256001	20	not necessary
Caelo	Estriol	13256001	15	not necessary
Caelo	Estriol	13256001	15	not necessary
Caelo	Ethacridine lact...	12149507	40	not necessary
Caelo	Fampridine	16276001	40	not necessary
Caelo	Fampridine	16276001	40	not necessary
Caelo	Ferric (III) sul...	10354412	40	AR-13-FG-002914-01
Caelo	Fluocinolonaceto...	12035003	48	not necessary
Caelo	Fluocinolonaceto...	162281	40	20160907*
Caelo	Fluocinolonaceto...	162281	30	20160907*
Caelo	Fluocinolonaceto...	12035003	60	not necessary
Caelo	Fructose	09302705	45	F 2009 000 981
Caelo	Fructose	15271213	40	not necessary
Caelo	Fructose	15084311	40	not necessary
Caelo	Fructose	160667	60	20160425*
Caelo	Gelatine, white	10051107	40	AR-12-FG-002699-01
Caelo	Gelatine, white	15320504	40	AR-16-FG-014461-01
Caelo	Gelatine, white	11334025	40	not necessary
Caelo	Gelatine, white	15320504	45	AR-16-FG-011564-01
Caelo	Gentamicin sulfate	11113309	40	not necessary
Caelo	Gentamicin sulfate	09115106	40	not necessary
Caelo	Gentamicin sulfate	13205003	60	not necessary
Caelo	Gentamicin sulfate	73402189	50	I 2009 000 258
Caelo	Gentamicin sulfate	13205003	60	not necessary
Caelo	Gentamicin sulfate	14353504	40	not necessary
Caelo	Ginseng root	13237805	40	not necessary
Caelo	Glucose monohydr...	82246219	75	I 2009 000 291
Caelo	Glucose, anhydrous	14142310	45	not necessary
Caelo	Glucose, anhydrous	14033901	40	not necessary
Caelo	Glucose, anhydrous	12294514	40	1402475
Caelo	Glucose, anhydrous	11017101	30	not necessary
Caelo	Glucose, anhydrous	16050501	40	not necessary
Caelo	Glucose, anhydrous	11017110	40	not necessary
Caelo	Glycerol monoste...	14099903	60	AR-15-FG-000732-02
Caelo	Glycerol monoste...	154450	60	20160225*
Caelo	Glycerol monoste...	12105720	40	not necessary
Caelo	Glycerol monoste...	12105705	80	not necessary
Caelo	Glycerol monoste...	162338	40	20160822*
Caelo	Glycerol monoste...	15286302	60	not necessary
Caelo	Glycerol monoste...	16233804	40	20160822
Caelo	Glycerol monoste...	1127201902	40	from supplier
Caelo	Glycerol monoste...	11272902	40	not necessary
Caelo	Glycerol monoste...	13232604	60	1504599
Caelo	Glycerol monoste...	11272902	80	not necessary
Caelo	Glycerol monoste...	162338	40	20160822*
Caelo	Glycerol monoste...	162338	40	20160822*
Caelo	Glycerol monoste...	10097203	40	pending
Caelo	Glycerol monoste...	13109304	40	1407633
Caelo	Glycerol monoste...	15286302	60	AR-16-FG-009226-01
Caelo	Glycerol monoste...	162338	40	20160822*
Caelo	Glycerol monoste...	162338	40	20160822*

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Glycerol monoste...	14308310	60	not necessary
Caelo	Glycerol monoste...	14240607	60	not necessary
Caelo	Glycerol monoste...	14240607	60	1412120
Caelo	Glycerol monoste...	12210401	40	not necessary
Caelo	Glycerol monoste...	14308310	60	not necessary
Caelo	Glycerol monoste...	14308310	60	not necessary
Caelo	Glycerol monoste...	10080113	30	not necessary
Caelo	Glycerol monoste...	12210401	80	1407214
Caelo	Glycerol monoste...	161646	40	20160727*
Caelo	Glycerol monoste...	11079309	80	not necessary
Caelo	Glycerol monoste...	16030301	40	not necessary
Caelo	Glycine	13157303	60	not necessary
Caelo	Glycine	14147006	60	AR-16-FG-012263-01
Caelo	Glycine	15262518	40	not necessary
Caelo	Guaifenesin	11277411	40	AR-13-FG-008660-01
Caelo	Guaifenesin	163333	40	20161221*
Caelo	Guaifenesin	11277411	40	not necessary
Caelo	Hard fat (601)	14099604	40	1504720
Caelo	Hard fat (601)	11320006	40	not necessary
Caelo	Hard fat (601)	162364	40	20160823*
Caelo	Hard fat (601)	13296104	40	1403144
Caelo	Hard fat (601)	162364	40	20160823*
Caelo	Hard fat (601)	15184905	60	not necessary
Caelo	Hard fat in past...	10158804	40	not necessary
Caelo	Hard fat in past...	16274203	40	20161109
Caelo	Hard fat in past...	12158122	40	not necessary
Caelo	Hard fat in past...	14126203	40	not necessary
Caelo	Hard fat in past...	09318225	40	AR-12-FG-008588-01
Caelo	Hard fat in past...	160278	60	20160407*
Caelo	Hawthorn leaf wi...	13276706	40	not necessary
Caelo	Heavy alkaline b...	11052805	40	not necessary
Caelo	Heavy, basic mag...	10290208	40	not necessary
Caelo	Henna powder	13298604	40	not necessary
Caelo	Henna powder	13262801	40	not necessary
Caelo	Hydrated sodium ...	11158903	40	not necessary
Caelo	Hydrochlorothiaz...	14009701	40	not necessary
Caelo	Hydrochlorothiaz...	13008505	60	AR-15-FG-014461-01
Caelo	Hydrocortisone	13341502	60	not necessary
Caelo	Hydrocortisone	91050209	30	I 2009 000 255
Caelo	Hydrocortisone	13341502	60	not necessary
Caelo	Hydrocortisone	13341502	60	not necessary
Caelo	Hydrocortisone	10083801	40	not necessary
Caelo	Hydrocortisone	160952	40	20160415*
Caelo	Hydrocortisone	160952	40	20160415*
Caelo	Hydrocortisone a...	82833159	30	I 2009 000 259
Caelo	Hydrocortisone a...	11263917	40	not necessary
Caelo	Hydrocortisone a...	13291708	60	not necessary
Caelo	Hydromorphone hy...	13267702	40	0914A-01334
Caelo	Hydromorphone hy...	10157908	80	not necessary
Caelo	Hydromorphone hy...	15393602	60	1516J-01334
Caelo	Hydromorphone hy...	11029713	40	not necessary
Caelo	Hydromorphone hy...	15393602	60	1516J-01334
Caelo	Hydromorphone hy...	13267702	60	0914A-01334
Caelo	Hydroquinone	15057004	60	not necessary
Caelo	Hydroquinone	14026904	60	not necessary
Caelo	Hydroquinone	15057001	60	not necessary
Caelo	Hydroquinone	14281501	60	AR-15-FG-008058-01
Caelo	Hydroquinone	14280110	60	not necessary
Caelo	Hydroquinone	16023105	40	not necessary
Caelo	Hydroquinone	12288505	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Hydroquinone	15057001	60	not necessary
Caelo	Hydroxyethylcell...	161006	60	20160426*
Caelo	Hydroxyethylcell...	09312308	50	not necessary
Caelo	Hydroxyethylcell...	13378506	40	1507205
Caelo	Hydroxyethylcell...	12249204	40	not necessary
Caelo	Hydroxyethylcell...	16012909	40	not necessary
Caelo	Hydroxyethylcell...	14352504	60	AR-15-FG-009318-01
Caelo	Hydroxyethylcell...	03936475	20	not necessary
Caelo	Hydroxypropyl ce...	14189804	60	AR-15-FG-014922-01
Caelo	Hydroxypropyl ce...	15345001	60	not necessary
Caelo	Hydroxypropyl ce...	12093107	40	1402049
Caelo	Hyoscine hydrobr...	15054501	60	1511156
Caelo	Hyoscine hydrobr...	15054504	60	not necessary
Caelo	Hyoscine hydrobr...	15054504	30	not necessary
Caelo	Hyoscine hydrobr...	14278801	85	1504154
Caelo	Hyoscine hydrobr...	15054501	60	1511156
Caelo	Hypromellose 4000	14338801	45	not necessary
Caelo	Hypromellose 4000	13155006	40	not necessary
Caelo	Hypromellose 4000	13155006	40	1402056
Caelo	Hypromellose 4000	162244	40	20160818*
Caelo	Ibuprofen	11352219	40	not necessary
Caelo	Ibuprofen	13105108	40	not necessary
Caelo	Ibuprofen	09111410	40	AR-12-FG-002701-01
Caelo	Iodine	10237809	40	not necessary
Caelo	Iodoform	12283206	40	not necessary
Caelo	Iodoform	16012302	40	20160211
Caelo	Iodoform	09357608	40	F 2010 000 148
Caelo	Iron (II) sulfat...	11340509	40	1401568
Caelo	Iron (III) chlor...	12354703	40	1401391
Caelo	Isoxuprine hydro...	161770	40	20160818*
Caelo	Isoxuprine hydro...	16177001	40	not necessary
Caelo	Ispaghula husk	13238005	40	not necessary
Caelo	Java tea, cut	13258805	40	not necessary
Caelo	Kaolin, heavy	11350124	40	not necessary
Caelo	Kaolin, heavy	82043269	40	from supplier
Caelo	Kaolin, red, pow...	12093503	40	from supplier
Caelo	Ketoconazole	13179612	60	not necessary
Caelo	Ketoconazole	13179612	60	not necessary
Caelo	Ketoconazole	12171007	40	1401554
Caelo	Lactose monohydr...	83278189	30	I 2009 000 290
Caelo	Lactose monohydr...	12139910	40	not necessary
Caelo	Lactose monohydr...	14025601	40	not necessary
Caelo	Lactose monohydr...	14025601	40	not necessary
Caelo	Lactose monohydr...	14025601	40	not necessary
Caelo	Lactose monohydr...	14025601	40	not necessary
Caelo	Lactose monohydr...	160277	60	20160321*
Caelo	Lactose monohydr...	14025601	40	not necessary
Caelo	Lactose monohydr...	15236220	40	not necessary
Caelo	Lavender flower	13336005	40	from supplier
Caelo	Lidocaine	13352411	60	not necessary
Caelo	Lidocaine	162895	40	20161107*
Caelo	Lidocaine hydroc...	152995	40	20151013*
Caelo	Lidocaine hydroc...	162222	40	20160811*
Caelo	Lidocaine hydroc...	12135511	40	AR-15-FG-008867-01
Caelo	Locust bean gum,...	13379403	40	from supplier
Caelo	L-phenylalanine	14088304	60	1501656
Caelo	Macrogol 1500	10037704	70	not necessary
Caelo	Macrogol 1500	12324607	40	1403323
Caelo	Macrogol 4000	12318019	40	1403322
Caelo	Macrogol 4000	13356616	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Macrogol 4000	12074116	40	1401164
Caelo	Macrogol 4000	11172433	40	not necessary
Caelo	Macrogol 4000	10059103	70	not necessary
Caelo	Macrogol 4000	12361502	40	not necessary
Caelo	Magensium hydrog...	12181911	40	not necessary
Caelo	Magnesium (hydro...	11372907	40	not necessary
Caelo	Magnesium (hydro...	90396239	75	I 2009 000 309
Caelo	Magnesium (hydro...	13389102	60	not necessary
Caelo	Magnesium chlori...	11032316	40	not necessary
Caelo	Magnesium chlori...	11218705	40	AR-12-FG-007022-01
Caelo	Magnesium chlori...	11032304	50	not necessary
Caelo	Magnesium chlori...	11345606	40	AR-13-FG-005982-01
Caelo	Magnesium chlori...	10043911	40	not necessary
Caelo	Magnesium orotat...	162227	40	20160809*
Caelo	Magnesium stearate	162066	40	20160720*
Caelo	Magnesium stearate	14136929	60	AR-15-FG-012028-01
Caelo	Magnesium stearate	13095536	40	not necessary
Caelo	Magnesium sulfat...	13340814	60	not necessary
Caelo	Magnesium sulfat...	09246402	40	not necessary
Caelo	Magnesium sulfat...	11231006	40	AR-12-FG-007046-01
Caelo	Magnesium sulfat...	09377510	40	not necessary
Caelo	Manganese sulfat...	91547399	40	AR-13-FG-000299-01
Caelo	Mannitole	162121	40	20160810*
Caelo	Mannitole	160140	60	20160303*
Caelo	Mannitole	09204712	40	not necessary
Caelo	Mannitole	10100026	40	not necessary
Caelo	Mannitole	162009	40	20160805*
Caelo	Mannitole	16014013	40	not necessary
Caelo	Mannitole	12305723	40	1402329
Caelo	Mannitole	15197305	40	not necessary
Caelo	Marian thistle f...	13342002	40	from supplier
Caelo	Maté leaf, cut	13118004	40	not necessary
Caelo	Melatonin	163437	40	20170111*
Caelo	Melatonin	12321404	37	not necessary
Caelo	Melatonin	163437	40	20170111*
Caelo	Melatonin	09366205	40	not necessary
Caelo	Melatonin	12321415	80	not necessary
Caelo	Melatonin	12321411	40	not necessary
Caelo	Melatonin	11267102	40	not necessary
Caelo	Melissa leaf, cut	13214713	40	not necessary
Caelo	Menthol	82621429	20	F 2009 000 987
Caelo	Menthol	13377404	60	not necessary
Caelo	Menthol	160956	60	20160412*
Caelo	Menthol	82621209	30	I 2009 000 306
Caelo	Menthol	10157605	40	not necessary
Caelo	Metamizol sodium...	15362816	40	not necessary
Caelo	Metamizol sodium...	15362815	40	not necessary
Caelo	Metamizol sodium...	161610	40	20160714*
Caelo	Methacholine chl...	162293	40	20160815*
Caelo	Methacholine chl...	16229301	40	not necessary
Caelo	Methacholine chl...	13260303	40	not necessary
Caelo	Methacholine chl...	16229301	40	not necessary
Caelo	Methacholine chl...	16229304	40	not necessary
Caelo	Methacholine chl...	13260303	60	not necessary
Caelo	Methacholine chl...	13260302	60	not necessary
Caelo	Methacholine chl...	13260303	60	not necessary
Caelo	Methacholine chl...	163299	40	20161206*
Caelo	Methacholine chl...	16229304	40	not necessary
Caelo	Methacholine chl...	162293	40	20160815*
Caelo	Methacholine chl...	13260302	60	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Methacholine chl...	163299	40	20161206*
Caelo	Methacholine chl...	13260302	60	pending
Caelo	Methadone hydroc...	11043910	40	not necessary
Caelo	Methadone hydroc...	12344818	40	0914E-02949
Caelo	Methadone hydroc...	15244715	60	1516A-02949
Caelo	Methadone hydroc...	12344818	60	0914E-02949
Caelo	Methadone hydroc...	15244715	60	1516A-02949
Caelo	Methionine	15404102	40	AR-17-FG-000285-02
Caelo	Methoxsalen	16103014	40	not necessary
Caelo	Methoxsalen	16103003	40	not necessary
Caelo	Methyl cellulose	10247609	40	not necessary
Caelo	Methyl cellulose	13130115	60	not necessary
Caelo	Methyl cellulose	160602	60	20160323*
Caelo	Methyl-4-hydroxy...	09344712	40	AR-12-FG-009589-01
Caelo	Methyl-4-hydroxy...	10039706	40	not necessary
Caelo	Methyl-4-hydroxy...	11090034	40	not necessary
Caelo	Methyl-4-hydroxy...	11090031	40	AR-13-FG-002515-01
Caelo	Methyl-4-hydroxy...	13268813	60	not necessary
Caelo	Methylrosanilini...	12276308	40	1509299
Caelo	Metoclopramide h...	14193102	60	not necessary
Caelo	Metoclopramide h...	14193102	60	AR-15-FG-002889-01
Caelo	Metronidazole	13095007	40	not necessary
Caelo	Metronidazole	13095005	40	not necessary
Caelo	Metronidazole	13095007	40	not necessary
Caelo	Metronidazole	160892	60	20160413*
Caelo	Metronidazole	81604189	30	I 2009 000 269
Caelo	Metronidazole	12110410	40	not necessary
Caelo	Miconazole nitrate	161447	40	20160617*
Caelo	Miconazole nitrate	161447	40	20160617*
Caelo	Miconazole nitrate	13185601	60	not necessary
Caelo	Miconazole nitrate	13185601	40	not necessary
Caelo	Miconazole nitrate	13352802	40	not necessary
Caelo	Miconazole nitrate	13185601	80	not necessary
Caelo	Miconazole nitrate	13352802	39	1412250
Caelo	Miconazole nitrate	10122908	40	AR-12-FG-002993-01
Caelo	Midazolam hydroc...	12215811	40	0914E-03538
Caelo	Midazolam hydroc...	11184701	40	not necessary
Caelo	Midazolam hydroc...	15224602	60	1516B-03538
Caelo	Midazolam hydroc...	15224602	60	1516B-03538
Caelo	Midazolam hydroc...	12215811	60	0914E-03538
Caelo	Minoxidil	14093701	40	not necessary
Caelo	Minoxidil	13039501	40	not necessary
Caelo	Minoxidil	14093701	40	not necessary
Caelo	Molecular distil...	11160012	40	not necessary
Caelo	Mometasone furoa...	160286	30	20160316*
Caelo	Mometasone furoa...	13304605	38	not necessary
Caelo	Mometasone furoa...	13304605	60	not necessary
Caelo	Mometasone furoa...	163532	23	20170104*
Caelo	Mometasone furoa...	160286	60	20160316*
Caelo	Mometasone furoa...	163532	40	20170104*
Caelo	Morphine hydroch...	13125207	60	0914E-01879
Caelo	Morphine hydroch...	13349505	60	0914F-01879
Caelo	Morphine hydroch...	15439404	60	1416R-01879
Caelo	Morphine hydroch...	15439404	60	1416R-01879
Caelo	Morphine hydroch...	13349505	40	0914F-01879
Caelo	Morphine hydroch...	13125207	40	0914E-01879
Caelo	Morphine sulfate	15255703	60	1416Q-07776
Caelo	Morphine sulfate	15255703	60	1416Q-07776
Caelo	Morphine sulfate	11333103	60	0914E-07776
Caelo	Morphine sulfate	12153212	60	0914F-07776

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Morphine sulfate	11333103	40	0914E-07776
Caelo	Morphine sulfate	12153212	40	0914F-07776
Caelo	Mupirocin calcium	14276602	60	not necessary
Caelo	Mupirocin calcium	161184	60	20160504*
Caelo	Naloxone hydroch...	15322517	40	not necessary
Caelo	Naloxone hydroch...	163577	40	20170306*
Caelo	Naphazoline hydr...	12375211	60	not necessary
Caelo	Naphazoline hydr...	12375211	40	not necessary
Caelo	Naphazoline hydr...	12375211	60	not necessary
Caelo	Neomycin sulfate	13062923	60	AR-15-FG-016581-01
Caelo	Neomycin sulfate	13062923	45	not necessary
Caelo	Neomycin sulfate	15237602	40	not necessary
Caelo	Neomycin sulfate	13062923	45	not necessary
Caelo	Neostigmine brom...	14256802	60	AR-15-FG-014460-01
Caelo	Neostigmine brom...	12172304	40	1403163
Caelo	Neostigmine brom...	10144105	40	not necessary
Caelo	Neostigmine brom...	15228101	60	not necessary
Caelo	Neostigmine brom...	15228101	60	not necessary
Caelo	Neostigmine brom...	14256802	60	AR-15-FG-014460-01
Caelo	Nicotinamide	161136	60	20160518*
Caelo	Nicotinamide	13097506	40	not necessary
Caelo	Nicotinamide	163048	40	20161123*
Caelo	Nicotinamide	11001803	40	not necessary
Caelo	Nicotinamide	11001809	40	not necessary
Caelo	Nicotinamide	161136	40	20160518*
Caelo	Nicotinamide	163048	40	20161123*
Caelo	Non-ionic emulsi...	13413001	40	not necessary
Caelo	Non-ionic emulsi...	13413001	40	1405257
Caelo	Non-ionic emulsi...	162231	40	20160802*
Caelo	Norethisterone a...	15417004	40	20160211
Caelo	Nystatin	11069721	40	not necessary
Caelo	Nystatin	10280622	30	not necessary
Caelo	Octenidine dihyd...	15275502	60	not necessary
Caelo	Octenidine dihyd...	160330	60	20160316*
Caelo	Octenidine dihyd...	12115202	40	not necessary
Caelo	Octenidine dihyd...	13071407	40	1407345
Caelo	Octenidine dihyd...	13166806	40	not necessary
Caelo	Octenidine dihyd...	15356601	60	1604116
Caelo	Octenidine dihyd...	15275502	60	not necessary
Caelo	Octenidine dihyd...	15356601	60	1604116
Caelo	Oxalic acid	153999	60	not available
Caelo	Oxalic acid	12212410	40	1403223
Caelo	Oxalic acid	13353901	40	not necessary
Caelo	Oxalic acid	13353918	60	not necessary
Caelo	Oxalic acid	11372701	40	not necessary
Caelo	Oxalic acid	12147007	40	not available
Caelo	Oxalic acid	160502	60	not available
Caelo	Oxalic acid	11098216	40	not necessary
Caelo	Oxalic acid	13353905	60	not necessary
Caelo	Oxycodone hydroc...	12268913	60	1416R-07734
Caelo	Oxycodone hydroc...	12268914	60	1416Q-07734
Caelo	Oxycodone hydroc...	09190426	40	not necessary
Caelo	Oxycodone hydroc...	12034515	60	0914F-07734
Caelo	Oxycodone hydroc...	12268908	60	0914E-07734
Caelo	Oxycodone hydroc...	12034515	40	0914F-07734
Caelo	Oxycodone hydroc...	12268914	60	1416Q-07734
Caelo	Oxycodone hydroc...	12268913	60	1416R-07734
Caelo	Oxycodone hydroc...	12268908	40	0914E-07734
Caelo	Oxytetracycline ...	12328103	40	not necessary
Caelo	Oxytetracycline ...	12130001	60	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Oxytetracycline ...	16077002	40	AR-16-FG-011460-01
Caelo	Pancreas powder	10327501	40	not necessary
Caelo	Pancreas powder	13395203	60	not necessary
Caelo	Pancreas powder	161397	60	20160527*
Caelo	Pancreas powder	13118902	40	1402190
Caelo	Papaverine hydro...	163159	40	20161215*
Caelo	Papaverine hydro...	09157221	40	not necessary
Caelo	Papaverine hydro...	13324310	60	not necessary
Caelo	Papaverine hydro...	123161	40	20121127*
Caelo	Paracetamol	15075707	40	not necessary
Caelo	Paracetamol	15075706	40	not necessary
Caelo	Paraffin, hard	15232004	60	1702507
Caelo	Paraffin, hard	11166916	40	AR-13-FG-001125-01
Caelo	Paraffin, hard	13390413	60	not necessary
Caelo	Paraffin, hard	11166911	40	not necessary
Caelo	Paraffin, microc...	154128	60	20160112*
Caelo	Paraffin, microc...	14307104	60	AR-15-FG-005277-01
Caelo	Paraffin, microc...	11100708	40	not necessary
Caelo	Paraffin, microc...	14307106	60	not necessary
Caelo	Patent blue V, E...	12364206	40	1508043
Caelo	Patent blue V, E...	12364206	40	not necessary
Caelo	Patent blue V, E...	11138401	40	AR-13-FG-002961-01
Caelo	Patent blue V, E...	10379902	40	not necessary
Caelo	Patent blue V, E...	13351803	60	not necessary
Caelo	Patent blue V, E...	13351807	40	1702362
Caelo	Peppermint leaf,...	13288303	40	not necessary
Caelo	Phenazone	15415107	40	not necessary
Caelo	Phenazone	15415101	40	not necessary
Caelo	Pheniramine male...	12200502	40	1401559
Caelo	Pheniramine male...	15172702	40	not necessary
Caelo	Phenobarbital	12173202	60	0914E-01040
Caelo	Phenobarbital	11045503	40	not necessary
Caelo	Phenobarbital	12173202	40	0914E-01040
Caelo	Phenol	11163809	50	not necessary
Caelo	Phenylbutazon	14057202	40	not necessary
Caelo	Phenylbutazon	102629010	40	AR-12-FG-009256-01
Caelo	Phenylbutazon	161121	60	20160331*
Caelo	Pilocarpine hydr...	09234907	40	not necessary
Caelo	Pilocarpine hydr...	12217319	60	not necessary
Caelo	Pilocarpine hydr...	12217319	60	1501660
Caelo	Pilocarpine hydr...	12217319	60	not necessary
Caelo	Pine sprouts, cut	13256105	40	not necessary
Caelo	Pine sprouts, cut	11164708	60	not necessary
Caelo	Podophyllum resi...	12287810	40	1405242
Caelo	Podophyllum resi...	09315906	50	not necessary
Caelo	Poloxamers 407	12044202	40	not necessary
Caelo	Poloxamers 407	12044205	40	not necessary
Caelo	Poloxamers 407	14196101	60	AR-14-FG-013090-01
Caelo	Poloxamers 407	12044205	40	not necessary
Caelo	Polymyxin B sulf...	153501	60	20160318*
Caelo	Potassium bromide	11208211	27	not necessary
Caelo	Potassium carbon...	09302910	40	not necessary
Caelo	Potassium citrate	13317618	60	not necessary
Caelo	Potassium citrate	83305269	61	I 2009 000 299
Caelo	Potassium citrate	15123103	60	not necessary
Caelo	Potassium citrate	161130	60	20160602*
Caelo	Potassium citrate	11320212	40	not necessary
Caelo	Potassium citrate	11102206	40	AR-13-FG-005751-01
Caelo	Potassium dihydr...	11005709	10	not necessary
Caelo	Potassium hydroc...	10052622	50	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Potassium hydroc...	10052616	40	AR-12-FG-002698-01
Caelo	Potassium hydrog...	11127402	30	not necessary
Caelo	Potassium hydrog...	11345805	40	not necessary
Caelo	Potassium hydrog...	11345805	40	not necessary
Caelo	Potassium hydrog...	11345805	40	not necessary
Caelo	Potassium hydrog...	11127421	40	AR-13-FG-006332-01
Caelo	Potassium hydrog...	11345805	40	not necessary
Caelo	Potassium hydrog...	11345805	40	not necessary
Caelo	Potassium hydrox...	10042008	40	not necessary
Caelo	Potassium monohy...	71045347	40	not necessary
Caelo	Potassium monohy...	12366501	40	10401307
Caelo	Potassium perman...	10283104	35	not necessary
Caelo	Potassium sodium...	13216605	40	1404530
Caelo	Potassium sodium...	12030207	40	not necessary
Caelo	Potassium sodium...	15375601	12	not required
Caelo	Potassium sodium...	14376001	60	not necessary
Caelo	Potassium sorbate	163266	40	20170105*
Caelo	Potassium sorbate	90877159	75	I 2009 000 305
Caelo	Potassium sorbate	13224604	60	not necessary
Caelo	Potassium sorbate	11214207	40	AR-13-FG-000830-01
Caelo	Potassium tartra...	13331101	40	1403536
Caelo	Potassium tartra...	160289	60	20160405*
Caelo	Potassium tartra...	15167701	60	not necessary
Caelo	Potassium tartra...	13331104	60	not necessary
Caelo	Potassium tartra...	11225007	40	not necessary
Caelo	Potato starch	09352108	50	P143-11
Caelo	Potato starch	161237	60	20160621*
Caelo	Potato starch	12360213	40	1403494
Caelo	Potato starch	14033815	60	not necessary
Caelo	Povidone 25, sol...	14142103	40	AR-15-FG-000596-01
Caelo	Povidone 25, sol...	12032714	40	1402437
Caelo	Povidone iodine	10090618	40	AR-13-FG-002960-01
Caelo	Povidone iodine	13337205	60	not necessary
Caelo	Povidone iodine	10090613	40	not necessary
Caelo	Prednicarbate, m...	170138	40	20170202*
Caelo	Prednicarbate, m...	13372404	40	AR-15-FG-007941-02
Caelo	Prednicarbate, m...	13372404	40	not necessary
Caelo	Prednicarbate, m...	160874	60	20160428*
Caelo	Prednicarbate, m...	170138	20	20170202*
Caelo	Prednicarbate, m...	160874	30	20160428*
Caelo	Prednicarbate, m...	13372404	33	not necessary
Caelo	Prednicarbate, m...	13119402	35	1501576
Caelo	Prednicarbate, m...	13119402	40	not necessary
Caelo	Prednicarbate, m...	13119402	30	not necessary
Caelo	Prednisolon dihy...	13304703	40	not necessary
Caelo	Prednisolon dihy...	13304704	60	1411052
Caelo	Prednisolon dihy...	13304704	60	not necessary
Caelo	Prednisolone ace...	12324502	20	not necessary
Caelo	Prednisolone ace...	13262605	60	not necessary
Caelo	Prednisolone ace...	13262605	60	not necessary
Caelo	Prednisolone ace...	12091814	60	not necessary
Caelo	Prednisolone ace...	13262605	47	not necessary
Caelo	Prednisolone ace...	13262605	44	not necessary
Caelo	Prednisolone, mi...	154000	60	20160225*
Caelo	Prednisolone, mi...	12324226	39	1411271
Caelo	Prednisolone, mi...	161343	47	20160601*
Caelo	Prednisolone, mi...	15400002	40	not necessary
Caelo	Prednisolone, mi...	15400002	40	not necessary
Caelo	Prednisolone, mi...	81798119	50	I 2009 000 286
Caelo	Prednisolone, mi...	13343105	60	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Prednisolone, mi...	154000	59	20160225*
Caelo	Prednisolone, mi...	13343105	60	1411232
Caelo	Prednisolone, mi...	12324202	40	not necessary
Caelo	Prednisolone, mi...	161343	60	20160601*
Caelo	Prednisone	12232716	60	not necessary
Caelo	Prednisone	12232716	60	not necessary
Caelo	Prednisone	10037803	40	not necessary
Caelo	Prednisone	12232716	60	not necessary
Caelo	Prednisone	12232716	60	not necessary
Caelo	Prednisone	72123189	31	I 2009 000 274
Caelo	Prilocaine hydro...	15230305	60	not necessary
Caelo	Prilocaine hydro...	15230305	60	not necessary
Caelo	Procaine hydroch...	13109906	60	AR-15-FG-008935-01
Caelo	Procaine hydroch...	161378	40	20160606*
Caelo	Procaine hydroch...	15006906	60	not necessary
Caelo	Progesterone, mi...	15319601	40	not necessary
Caelo	Progesterone, mi...	080277304	30	not necessary
Caelo	Progesterone, mi...	15319601	40	not necessary
Caelo	Progesterone, mi...	71498458	60	I 2009 000 287
Caelo	Promethazine hyd...	13119214	60	not necessary
Caelo	Promethazine hyd...	161466	40	20160621*
Caelo	Promethazine hyd...	10334401	40	AR-12-FG-002998-01
Caelo	Propranolol hydr...	12370712	60	not necessary
Caelo	Propranolol hydr...	15283302	40	not necessary
Caelo	Propranolol hydr...	12370712	60	not necessary
Caelo	Propyl-4-hydroxy...	11373523	40	1402440
Caelo	Propyl-4-hydroxy...	162595	40	20161005*
Caelo	Propyl-4-hydroxy...	13365009	60	not necessary
Caelo	Propyl-4-hydroxy...	162595	40	20161005*
Caelo	Propyl-4-hydroxy...	10113716	40	not necessary
Caelo	Propyl-4-hydroxy...	14359008	12	not required
Caelo	Propyphenazone	12039103	40	1402051
Caelo	Propyphenazone	13332206	60	not necessary
Caelo	Propyphenazone	09369110	40	not necessary
Caelo	Pyridoxine hydro...	162225	40	20160825*
Caelo	Pyridoxine hydro...	14262302	60	not necessary
Caelo	Quinine dihydroc...	16269603	40	not necessary
Caelo	Quinine hydrochl...	15376201	60	not necessary
Caelo	Quinine sulfate ...	15230005	40	not necessary
Caelo	Quinine sulfate ...	13024604	60	AR-16-FG-005472-01
Caelo	Quinoline yellow	12042010	40	not necessary
Caelo	Quinoline yellow	11089608	40	not necessary
Caelo	Quinoline yellow	13109108	40	not necessary
Caelo	Quinoline yellow	11089608	40	AR-13-FG-002959-01
Caelo	Quinolinol sulfa...	162218	40	20160808*
Caelo	Quinolinol sulfa...	15147704	40	not necessary
Caelo	Quinolinol sulfa...	15147704	40	not necessary
Caelo	Quinolinol sulfa...	13403501	60	not necessary
Caelo	Quinolinol sulfa...	13071104	40	1403095
Caelo	Resocrinol	161533	40	20160524*
Caelo	Resocrinol	13293108	60	AR-15-FG-006906-01
Caelo	Rhubarb, cut	13235213	40	not necessary
Caelo	Riboflavin	13305203	60	AR-15-FG-005686-01
Caelo	Riboflavin	12003317	40	1405155
Caelo	Riboflavin	14322008	40	AR-16-FG-013669-01
Caelo	Rice starch	12068525	40	not necessary
Caelo	Rice starch	16144501	40	not necessary
Caelo	Rice starch	162180	40	20160901*
Caelo	Rifaximin	161053	60	20160607*
Caelo	Saccharin sodium	10170511	40	AR-12-FG-002994-01

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Saccharin sodium	15087704	40	not necessary
Caelo	Salicylic acid	160500	60	20160422*
Caelo	Salicylic acid	13344002	60	not necessary
Caelo	Salicylic acid	82732219	30	I 2009 000 300
Caelo	Salicylic acid	160109	60	20160229*
Caelo	Salicylic acid	13344018	60	not necessary
Caelo	Selenium yeast	17002202	40	20170126
Caelo	Selenium yeast	13347911	40	1509355
Caelo	Siam benzoin	12321314	40	not necessary
Caelo	Sildenafil citrate	160498	60	20160307*
Caelo	Silver nitrate	11027007	21	not necessary
Caelo	Sodium acetate t...	163007	40	20161114*
Caelo	Sodium acetate t...	13411404	60	not necessary
Caelo	Sodium acetate t...	12316506	40	1402111
Caelo	Sodium ascorbate	15429905	40	not necessary
Caelo	Sodium ascorbate	162857	40	20161116*
Caelo	Sodium benzoate	90834189	40	AR-12-FG-003912-01
Caelo	Sodium benzoate	161371	60	20160527*
Caelo	Sodium benzoate	11267016	40	not necessary
Caelo	Sodium benzoate	13178619	60	not necessary
Caelo	Sodium bromide	10345710	40	AR-13-FG-002996-01
Caelo	Sodium carbonate...	10188901	40	AR-13-FG-000310-01
Caelo	Sodium citrate	14112517	60	not necessary
Caelo	Sodium citrate	162179	40	20160805*
Caelo	Sodium citrate	13089335	60	AR-15-FG-000405-01
Caelo	Sodium citrate	12045008	40	not necessary
Caelo	Sodium citrate	12045026	40	not necessary
Caelo	Sodium cromoglic...	13232802	100	not necessary
Caelo	Sodium cromoglic...	13232802	20	1505352
Caelo	Sodium cromoglic...	15224404	60	not necessary
Caelo	Sodium cromoglic...	15224404	60	not necessary
Caelo	Sodium cromoglic...	11114502	40	not necessary
Caelo	Sodium cromoglic...	11114501	80	not necessary
Caelo	Sodium cyclamate	09350509	60	not necessary
Caelo	Sodium cyclamate	12105622	40	not necessary
Caelo	Sodium cyclamate	12256803	40	1401418
Caelo	Sodium dihydroge...	12198506	40	not necessary
Caelo	Sodium dodecyl s...	10229510	40	not necessary
Caelo	Sodium dodecyl s...	13099011	40	1403108
Caelo	Sodium dodecyl s...	15344503	60	not necessary
Caelo	Sodium dodecyl s...	13411305	60	not necessary
Caelo	Sodium edetate	161364	60	20160504*
Caelo	Sodium edetate	13142009	40	not necessary
Caelo	Sodium hydrogen ...	90962189	40	not necessary
Caelo	Sodium iodide	161701	40	20160706*
Caelo	Sodium methyl-4...	15358709	40	not necessary
Caelo	Sodium methyl-4...	15358708	40	AR-16-FG-015095-01
Caelo	Sodium methyl-4...	15358713	40	not necessary
Caelo	Sodium methyl-4...	15358708	40	not necessary
Caelo	Sodium monohydro...	08300209	40	not necessary
Caelo	Sodium monohydro...	10135302	36	not necessary
Caelo	Sodium monohydro...	12109002	40	not necessary
Caelo	Sodium nitrate	11045910	40	not necessary
Caelo	Sodium salicylat...	16305301	40	not necessary
Caelo	Sodium salicylat...	163053	40	20161118*
Caelo	Sodium salicylat...	10176004	40	not necessary
Caelo	Sodium salicylat...	12158307	40	1403225
Caelo	Sodium salicylat...	13140513	60	not necessary
Caelo	Sodium sulfate d...	10044007	40	not necessary
Caelo	Sodium sulfate d...	11012210	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Sodium tetraborate	13290118	60	1412042
Caelo	Sodium tetraborate	161372	60	20160624*
Caelo	Sodium tetraborate	161372	40	20160624*
Caelo	Solanum dulcamar...	13254305	40	not necessary
Caelo	Sorbic acid	13334008	60	AR-15-FG-007849-01
Caelo	Sorbic acid	14176214	40	not necessary
Caelo	Sorbic acid	12038025	40	not necessary
Caelo	Sorbic acid	15382002	40	not necessary
Caelo	Sorbic acid	14380714	40	not necessary
Caelo	Sorbic acid	162080	40	20160722*
Caelo	Sorbitan stearate	11145401	40	AR-12-FG-011575-01
Caelo	Sorbitan stearate	12274801	40	not necessary
Caelo	Sorbitan stearate	162352	40	20160826*
Caelo	Sorbitol	11379309	40	AR-12-FG-011794-01
Caelo	Sorbitol	13278217	40	not necessary
Caelo	Sorbitol	91992409	45	F 2009 000 993
Caelo	Sorbitol	16038501	40	not necessary
Caelo	Sorbitol	163531	40	20170119*
Caelo	Soy lecithin (in...	13279813	40	not necessary
Caelo	Soy lecithin (in...	13030504	40	1404399
Caelo	Soy lecithin (in...	11145311	40	not necessary
Caelo	Soy lecithin (in...	11371501	40	not necessary
Caelo	Spironolactone	16077305	40	not necessary
Caelo	Spironolactone	14378715	40	not necessary
Caelo	Spironolactone	160773	60	20160415*
Caelo	Spray-dried arab...	14141901	120	AR-15-FG-006809-01
Caelo	Spray-dried arab...	15413201	40	AR-17-FG-000844-01
Caelo	Spray-dried arab...	162331	40	20160818*
Caelo	Spray-dried arab...	11345708	40	AR-13-FG-002496-01
Caelo	Stearic acid 50	14359314	60	not necessary
Caelo	Stearic acid 50	14359310	60	AR-16-FG-004044-01
Caelo	Stearic acid 50	12241910	40	AR-15-FG-007284-01
Caelo	Stearic acid 50	163469	40	20170126*
Caelo	Stearic acid 50	14359310	60	not necessary
Caelo	Sucrose	163286	40	20161219*
Caelo	Sucrose	13352909	40	1410501
Caelo	Sucrose	163081	40	20161115*
Caelo	Sucrose	12146801	40	not necessary
Caelo	Sucrose	162060	40	20160808*
Caelo	Sucrose	161999	40	20160714*
Caelo	Sucrose	1901208731	40	AR-12-FG-010950-01
Caelo	Sucrose	14340003	60	not necessary
Caelo	Sulfacetamide	10145802	40	not necessary
Caelo	Sulfacetamide	11085910	40	1402651
Caelo	Sulfadiazine	13150011	60	not necessary
Caelo	Sulfadiazine	12164101	40	1402053
Caelo	Sulfamerazine	10218403	40	not necessary
Caelo	Sulfogaiacol hyd...	10353605	40	AR-13-FG-001235-01
Caelo	Sulfogaiacol hyd...	13405805	45	not necessary
Caelo	Sulfogaiacol hyd...	15343912	12	not required
Caelo	Talcum powder	10148813	40	not necessary
Caelo	Talcum powder	11318312	120	1405338
Caelo	Tannin	81318508	80	I 2009 000 302
Caelo	Tannin	16074504	40	not necessary
Caelo	Tannin	12336016	60	not necessary
Caelo	Tartaric acid	13217803	60	not necessary
Caelo	Tartaric acid	161468	40	20160607*
Caelo	Tartaric acid	10199711	40	AR-13-FG-002958-01
Caelo	Tartaric acid	90800249	30	I 2009 000 303
Caelo	Tartaric acid	15130201	60	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Tartaric acid	12044101	40	not necessary
Caelo	Tartaric acid	15164001	60	1704461
Caelo	Testosterone	13406004	40	not necessary
Caelo	Testosterone	15244906	38	not necessary
Caelo	Testosterone	15244906	60	not necessary
Caelo	Testosterone	13406004	40	not necessary
Caelo	Testosterone pro...	12163607	40	AR-15-FG-000623-01
Caelo	Testosterone pro...	15444709	30	not necessary
Caelo	Testosterone pro...	15444709	40	20160106
Caelo	Tetracaine hydro...	15437108	40	not necessary
Caelo	Tetracaine hydro...	12019822	40	not necessary
Caelo	Tetracaine hydro...	83228149	30	I 2009 000 288
Caelo	Tetracycline hyd...	161167	60	20160504*
Caelo	Tetracycline hyd...	13201303	60	not necessary
Caelo	Tetracycline hyd...	15230712	40	not necessary
Caelo	Tetracycline hyd...	13201303	59	not necessary
Caelo	Thalidomide	13395704	60	not necessary
Caelo	Thalidomide	15276711	40	1704508
Caelo	Thalidomide	162703	40	20160929*
Caelo	Theophylline	12341101	60	not necessary
Caelo	Theophylline	12166316	40	1402055
Caelo	Theophylline-eth...	15380302	40	not necessary
Caelo	Theophylline-eth...	13268609	40	1412133
Caelo	Theophylline-eth...	12363708	40	not necessary
Caelo	Theophylline-eth...	12145301	40	not necessary
Caelo	Thiamine chlorid...	160156	60	20160316*
Caelo	Thiamine chlorid...	14069502	60	8986
Caelo	Thiamine chlorid...	10316406	40	not necessary
Caelo	Thiamine chlorid...	14069502	60	not necessary
Caelo	Thiamine chlorid...	11371302	40	not necessary
Caelo	Thymol	14025805	60	not necessary
Caelo	Thymol	82563169	30	I 2009 000 265
Caelo	Tosylchloramide ...	13103201	40	not necessary
Caelo	Tosylchloramide ...	162366	40	20190819*
Caelo	Tosylchloramide ...	09359512	40	not necessary
Caelo	Tosylchloramide ...	13361606	60	not necessary
Caelo	Tosylchloramide ...	13361602	40	1407634
Caelo	Tretinoin	11284703	40	AR-13-FG-001228-01
Caelo	Tretinoin	15028403	60	1507086
Caelo	Tretinoin	15028403	60	1507086
Caelo	Tretinoin	15239503	60	not necessary
Caelo	Tretinoin	162171	40	20160804*
Caelo	Tretinoin	09364503	41	not necessary
Caelo	Tretinoin	15239503	60	not necessary
Caelo	Tretinoin	162915	40	20160911*
Caelo	Tretinoin	162171	40	20160804*
Caelo	Tretinoin	162915	40	20161109*
Caelo	Triamcinolon, mi...	15106905	45	not necessary
Caelo	Triamcinolon, mi...	15106905	40	not necessary
Caelo	Triamcinolone ac...	13256607	80	AR-15-FG-003755-01
Caelo	Triamcinolone ac...	160945	40	20160420*
Caelo	Triamcinolone ac...	160945	60	20160420*
Caelo	Triamcinolone ac...	13379921	60	1503634
Caelo	Triamcinolone ac...	80890079	20	I 2009 000 256
Caelo	Triamcinolone ac...	12301505	50	pending
Caelo	Trichloroacetic ...	81332099	20	not necessary
Caelo	Trichloroacetic ...	11294306	40	AR-12-FG-004440-01
Caelo	Triclosan	13391808	60	not necessary
Caelo	Triclosan	160846	60	20160517*
Caelo	Triclosan	83452249	31	I 2009 000 266

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Supplier	Substance	Batch	Spectra	Certificate
Caelo	Triclosan	14121209	60	not necessary
Caelo	Triclosan	162808	40	20161010*
Caelo	Trometamol	14050002	40	not necessary
Caelo	Trometamol	161688	40	20160615*
Caelo	Trometamol	83303189	30	I 2009 000 276
Caelo	Ubidecarenone	14004504	60	AR-15-FG-009220-01
Caelo	Urea	161074	60	20160509*
Caelo	Urea	82374239	30	I 2009 000 301
Caelo	Urea	170216	40	20170202*
Caelo	Urea	170216	40	20170202*
Caelo	Urea	15154103	60	not necessary
Caelo	Urea	15154103	60	not necessary
Caelo	Vanillin	14044413	60	not necessary
Caelo	Vanillin	15135302	60	not necessary
Caelo	Vanillin	160895	60	20160421*
Caelo	Wax, bleached	10364838	40	not necessary
Caelo	Wax, bleached	14336620	60	not necessary
Caelo	Wax, bleached	13378619	20	1509364
Caelo	Wax, bleached	161631	40	20160601*
Caelo	Wax, bleached	15292022	30	not necessary
Caelo	Wax, yellow	11285001	40	not necessary
Caelo	Wax, yellow	13335507	60	not necessary
Caelo	Wax, yellow	15317602	60	not necessary
Caelo	Wax, yellow	83038199	30	I 2009 000 295
Caelo	Wax, yellow	162750	40	2061007*
Caelo	Wheat starch	14023203	60	AR-16-FG-011433-01
Caelo	Wheat starch	15124707	60	not necessary
Caelo	Wool alcohols	153703	60	20151111*
Caelo	Wool alcohols	13380601	40	1412037
Caelo	Wool alcohols	153703	60	20151111*
Caelo	Wool alcohols	11214708	40	AR-13-FG-001851-01
Caelo	Wool alcohols	163530	40	20161223*
Caelo	Xylitol	14068206	60	not necessary
Caelo	Xylitol	15135405	40	not necessary
Caelo	Xylitol	163174	40	20161207*
Caelo	Xylitol	15388101	40	not necessary
Caelo	Xylitol	15135405	60	not necessary
Caelo	Xylometazoline h...	13344901	60	not necessary
Caelo	Xylometazoline h...	91206209	40	I 2009 000 289
Caelo	Xylometazoline h...	13344901	60	1501655
Caelo	Xylometazoline h...	13344901	60	not necessary
Caelo	Xylose	14218902	60	AR-14-FG-013086-01
Caelo	Xylose	162064	40	20160713*
Caelo	Xylose	13133402	40	not necessary
Caelo	Zinc acetate dihydro...	10302505	40	AR-13-FG-001886-01
Caelo	Zinc acetate dihydro...	15383301	40	not necessary
Caelo	Zinc acetate dihydro...	11354901	40	not necessary
Caelo	Zinc acetate dihydro...	11354902	40	not necessary
Caelo	Zinc acetate dihydro...	153833	40	20151127*
Caelo	Zinc acetate dihydro...	170204	40	20170126*
Caelo	Zinc chloride	11345504	40	not necessary
Caelo	Zinc gluconate	170165	40	20170125*
Caelo	Zinc gluconate	161788	40	20160708*
Caelo	Zinc oxide	14038101	16	not necessary
Caelo	Zinc oxide-talcum...	10192202	40	not necessary
Caelo	Zinc sulfate heptahydrate...	11095602	40	AR-13-FG-006298-01
Caelo	Zinc sulfate heptahydrate...	12257802	40	not necessary
Carotech	Tocomax 15%	100912	40	from supplier
Carotech	Tocomax 20%	A3_200003_1/5	40	not necessary
Denk	Calcium aspartate	N09814	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Denk	s-adenosyl methi...	S1S1104B	20	from supplier
Dermapharm AG	Quinolinol sulfa...	071101	40	not necessary
DKSH Switzerl...	Creatine	921831	30	pending
Dr. Behr	Choline hydrogen...	WE-11030077-01	40	AR-12-FG-008595-01
Dr. Behr	Chromium yeast 0...	WE-11040062	40	not necessary
Dr. Behr	Cysteine hydroch...	P-07014800	40	AR-13-FG-008785-01
Dr. Behr	Hyaluronic acid ...	07071105	40	from supplier
Dr. Behr	L-carnitine hydr...	WE11030091	60	from supplier
Dr. Behr	L-carnitine hydr...	1520081202	40	from supplier
Dr. Behr	L-carnitine tart...	WE15080050	60	from supplier
Dr. Behr	L-carnitine tart...	WE11060069	40	from supplier
Dr. Behr	L-glutathione	WE-11020045	40	AR-12-FG-007114-01
Dr. Behr	L-proline	P-07014859	40	not necessary
Dr. Behr	Lysine hydrochlo...	P-07014932	40	not necessary
Dr. Behr	Quercetin	WE-13030084-02	40	not necessary
Dr. Behr	Red clover extra...	WE12030050-02	40	pending
Dr. Behr	Selenium yeast	P-07015253	40	not necessary
Dr. Behr	Ubidecarenone	WE-11100005	40	AR-12-FG-008250-01
Dr. Paul Lohm...	Magnesium (hydro...	1048115	40	from supplier
Dr. Paul Lohm...	Magnesium citrat...	1040331	40	not necessary
Dr. Pfeifer	Xylitol	130610	40	not available
Dr. Pfeifer	Xylitol	pending	40	not necessary
Dr. Pfeifer	Xylitol	10BIZU130702	40	not available
Euro OTC	Acetylcysteine	1510016	60	20151116*
Euro OTC	Acetylcysteine	1208026-01	60	not necessary
Euro OTC	Acetylcysteine	1610011	40	20161107*
Euro OTC	Acetylsalicylic ...	1407026-01	60	not necessary
Euro OTC	Acetylsalicylic ...	1011015-01	40	not available
Euro OTC	Acetylsalicylic ...	1608037	40	20160921*
Euro OTC	Acetylsalicylic ...	1601042	40	20160204*
Euro OTC	Acetylsalicylic ...	1307024-01	60	not necessary
Euro OTC	Aescin	1506038	60	0000010480
Euro OTC	Aescin	1612012	40	20170213*
Euro OTC	Aescin	1310020-01	40	AR-15-FG-005777-01
Euro OTC	Aescin	1605021	40	20160609*
Euro OTC	Aescin	1011033	40	not available
Euro OTC	Aescin	1011033-02	40	not available
Euro OTC	Alfatradiol	1404001-01	60	1509288
Euro OTC	Alfatradiol	1603019	40	20160419*
Euro OTC	Alfatradiol	1404001-01	50	1509288
Euro OTC	Alfatradiol	1603019	40	20160419*
Euro OTC	Allantoin	1406011-01	60	not necessary
Euro OTC	Allantoin	1609012-01	40	not necessary
Euro OTC	Allantoin	1609012	40	20161006*
Euro OTC	alpha-tocopheryl...	1603046	40	20160429*
Euro OTC	alpha-tocopheryl...	1110021-02	40	not necessary
Euro OTC	alpha-tocopheryl...	1507001	60	0000010503
Euro OTC	alpha-tocopheryl...	1305032-01	60	AR-15-FG-001194-01
Euro OTC	Aluminium chlori...	1109025-01	40	not necessary
Euro OTC	Aluminium chlori...	1106017-01	40	not necessary
Euro OTC	Ambroxol hydroch...	1604035	40	20160428*
Euro OTC	Ambroxol hydroch...	1509032	60	20151027*
Euro OTC	Ambroxol hydroch...	1601008	60	20160119*
Euro OTC	Ambroxol hydroch...	1609002	40	20161004*
Euro OTC	Ambroxol hydroch...	1702004	40	20170320*
Euro OTC	Ambroxol hydroch...	1602015	60	20160217*
Euro OTC	Ambroxol hydroch...	1311032-01	40	not necessary
Euro OTC	Ambroxol hydroch...	11110008-01	40	1401146
Euro OTC	Ammonium chloride	1209013-01	40	not necessary
Euro OTC	Amphotericin B	1512026-01	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Amphotericin B	1305033-02	40	1403224
Euro OTC	Arginine	1604003	40	20160425*
Euro OTC	Arginine	1702014	40	20170316*
Euro OTC	Arginine	L1405020-01	60	not necessary
Euro OTC	Arginine	1608031	40	20160916*
Euro OTC	Arginine hydroch...	1610042	40	20161128*
Euro OTC	Arginine hydroch...	L1212009-01	40	1402430
Euro OTC	Arginine hydroch...	1306023-01	60	AR-15-FG-008412-01
Euro OTC	Arginine hydroch...	1603033	40	20160425*
Euro OTC	Arginine hydroch...	L1103042-01	40	not necessary
Euro OTC	Ascorbic acid	1612018	40	20170109*
Euro OTC	Ascorbic acid	1609015	40	20161006*
Euro OTC	Ascorbic acid	1607025	40	20160801*
Euro OTC	Ascorbic acid	1605024	40	20160617*
Euro OTC	Beclometasone di...	1203022-03	28	not necessary
Euro OTC	Beclometasone di...	1502032	40	20150327*
Euro OTC	Beclometasone di...	1502032	30	20150327*
Euro OTC	Beclometasone di...	1203022-03	60	not necessary
Euro OTC	Beclometasone di...	1203022-03	60	1509281
Euro OTC	Bentonite	2903008-01	40	from supplier
Euro OTC	Betamethasone di...	1311023-01	46	1505455
Euro OTC	Betamethasone di...	1610014	40	20161116*
Euro OTC	Betamethasone di...	1601034	45	20160204*
Euro OTC	Betamethasone di...	1311023-01	60	1505455
Euro OTC	Betamethasone di...	1610014	30	20161116*
Euro OTC	Betamethasone di...	1601034	45	20160204*
Euro OTC	Betamethasone va...	1510037	60	20151215*
Euro OTC	Betamethasone va...	1510037	30	20151215*
Euro OTC	Betamethasone va...	1606023	40	20160708*
Euro OTC	Betamethasone va...	1606023	34	20160708*
Euro OTC	Betamethasone va...	1208014-01	40	not necessary
Euro OTC	Betamethasone va...	1610010	40	20161116*
Euro OTC	Betamethasone va...	1406019-01	60	not necessary
Euro OTC	Betamethasone va...	1610010	30	20161116*
Euro OTC	Bifonazole	1206027-01	40	1312397
Euro OTC	Bifonazole	1510001	60	20151203*
Euro OTC	Bifonazole	1510001	60	20151203*
Euro OTC	Bifonazole	1401031-01	60	not necessary
Euro OTC	Biotin	1610003	40	20161110*
Euro OTC	Biotin	1402028-01	60	not necessary
Euro OTC	Biotin	1508030	60	20150925*
Euro OTC	Biotin	1603017	40	20160427*
Euro OTC	Budesonide, micr...	1604018	23	20160509*
Euro OTC	Budesonide, micr...	1311022-01	60	not necessary
Euro OTC	Budesonide, micr...	1311022-01	37	not necessary
Euro OTC	Budesonide, micr...	1604018	40	20160509*
Euro OTC	Caffeine	1603009	40	20160331*
Euro OTC	Caffeine	2910019-03	50	not necessary
Euro OTC	Caffeine	1211012-01	40	1412248
Euro OTC	Calcium ascorbate	1607033-01	40	not necessary
Euro OTC	Calcium ascorbate	1612003	40	20170110*
Euro OTC	Calcium citrate ...	1305018-01	40	not necessary
Euro OTC	Calcium citrate ...	1509039	60	20151013*
Euro OTC	Calcium citrate ...	1606001	40	20160609*
Euro OTC	Calcium citrate ...	1701001	40	20170124*
Euro OTC	Calcium citrate ...	1509039-01	60	not necessary
Euro OTC	Calcium gluconate	1005044-01	40	from supplier
Euro OTC	Calcium gluconate	1606034	40	20160630*
Euro OTC	Calcium gluconate	1304012-01	40	AR-15-FG-008127-01
Euro OTC	Calcium gluconate	1407041-01	60	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Calcium orotate ...	1401006-01	40	1412540
Euro OTC	Calcium orotate ...	1009035-01	40	not necessary
Euro OTC	Calcium orotate ...	1603003	40	20160329*
Euro OTC	Calcium orotate ...	1009035-01	40	not necessary
Euro OTC	Calcium orotate ...	1411003	40	20160331*
Euro OTC	Calcium pantothe...	1509024	60	20151005*
Euro OTC	Calcium pantothe...	1607023	40	20160809*
Euro OTC	Calcium pantothe...	1305034-01	40	not necessary
Euro OTC	Calcium pantothe...	1603042	40	20160429*
Euro OTC	Calcium pantothe...	1702018	40	20170330*
Euro OTC	Camphor	2906016-02	40	not available
Euro OTC	Camphor	1406029-01	60	not necessary
Euro OTC	Camphor	1106007-02	40	not necessary
Euro OTC	Capsaicin, natural	1703023	40	20170407*
Euro OTC	Capsaicin, natural	1603005-01	40	not necessary
Euro OTC	Capsaicin, natural	1603005-01	40	not necessary
Euro OTC	Capsaicin, natural	118066-04	60	not necessary
Euro OTC	Carbomer 35000 /...	1604032	40	20160428*
Euro OTC	Carbomer 35000 /...	1311027-02	60	not necessary
Euro OTC	Carbomer 35000 /...	1607028	40	20160804*
Euro OTC	Carbomer 35000 /...	1512010	60	20151216*
Euro OTC	Carbomer 35000 /...	1610024	40	20161102*
Euro OTC	Cellulose, micro...	1604029	40	20160512*
Euro OTC	Cellulose, micro...	1604029-01	40	not necessary
Euro OTC	Cellulose, micro...	1211037-01	40	not necessary
Euro OTC	Cellulose, micro...	1607042	40	20160902*
Euro OTC	Cellulose, micro...	1610030	40	20161125*
Euro OTC	Cellulose, micro...	1507022	60	0000010638
Euro OTC	Cellulose, micro...	1201004-01	40	not necessary
Euro OTC	Cellulose, micro...	1211037-01	40	not necessary
Euro OTC	Cetyl alcohol	1508014-01	40	not necessary
Euro OTC	Chloramphenicol	1602002	45	20160309*
Euro OTC	Chloramphenicol	1209019-02	60	not necessary
Euro OTC	Chloramphenicol	1407043-01	60	not necessary
Euro OTC	Chloramphenicol	1209019-02	60	not necessary
Euro OTC	Chlortetracyclin...	1108051-02	40	not necessary
Euro OTC	Chlortetracyclin...	1604015-01	40	not necessary
Euro OTC	Chlortetracyclin...	1604015	40	20160510*
Euro OTC	Cholecalciferol ...	1502021-01	60	not necessary
Euro OTC	Cholecalciferol ...	1304016-02	40	not necessary
Euro OTC	Cholecalciferol ...	1608002	40	20160824*
Euro OTC	Cholecalciferol ...	1103005-01	40	not necessary
Euro OTC	Cholecalciferol ...	1508032	60	20150901*
Euro OTC	Cholecalciferol ...	1701053	40	20170208*
Euro OTC	Cholecalciferol ...	1210051-01	40	1403341
Euro OTC	Cholecalciferol ...	1602019	40	20160307*
Euro OTC	Choline hydrogen...	1702005	40	20170307*
Euro OTC	Choline hydrogen...	1603044	40	20160429*
Euro OTC	Choline hydrogen...	1603044-01	40	not necessary
Euro OTC	Choline hydrogen...	L1208016-01	40	1402479
Euro OTC	Choline hydrogen...	1603044-01	40	not necessary
Euro OTC	Choline hydrogen...	L1208016-02	40	not necessary
Euro OTC	Choline hydrogen...	1607020	40	20160808*
Euro OTC	Chromium yeast 0...	L1406030-02	60	not necessary
Euro OTC	Chromium yeast 0...	L1303028-01	40	1403474
Euro OTC	Citrulline	1310015-01	40	not necessary
Euro OTC	Citrulline	1506014	60	20150624*
Euro OTC	Citrulline	1609013	40	20161006*
Euro OTC	Citrulline	1703036	40	20170418*
Euro OTC	Citrulline	1604038	40	20160523*

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Citrulline	1403021-01	59	1411031
Euro OTC	Clindamycin hydr...	1511004	60	20151123*
Euro OTC	Clindamycin hydr...	2908019-01	40	not available
Euro OTC	Clindamycin hydr...	1111058-01	80	not necessary
Euro OTC	Clindamycin hydr...	1401041-01	40	not necessary
Euro OTC	Clindamycin hydr...	1510038	60	20151120*
Euro OTC	Clioquinol	1612020	40	20170215*
Euro OTC	Clioquinol	1509038	60	20151009*
Euro OTC	Clioquinol	1309009-02	40	AR-15-FG-009542-01
Euro OTC	Clobetasol propi...	pending	54	not necessary
Euro OTC	Clobetasol propi...	1211021-04	60	1605044
Euro OTC	Clobetasol propi...	1606022	40	20160713*
Euro OTC	Clobetasol propi...	1606022	40	20160713*
Euro OTC	Clotrimazole	1510003	60	20151111*
Euro OTC	Clotrimazole	1607046	40	20160823*
Euro OTC	Clotrimazole	1306036-01	40	not necessary
Euro OTC	Colistin sulfate	1507044	60	20150817*
Euro OTC	Colistin sulfate	1406001-01	60	1508600
Euro OTC	Colistin sulfate	1606008	40	20160704*
Euro OTC	Colistin sulfate	1406002-01	45	not necessary
Euro OTC	Colistin sulfate	1602021	60	20160307*
Euro OTC	Copper orotate d...	2106001Z-01	40	not necessary
Euro OTC	Copper orotate d...	2106001Z-01	40	not necessary
Euro OTC	Cyanocobalamin	1506035	45	0000010479
Euro OTC	Cyanocobalamin	1506035	60	20150708*
Euro OTC	Cyanocobalamin	1506035	60	0000010479
Euro OTC	Cyanocobalamin	1506035	60	20150708*
Euro OTC	Cyanocobalamin	1305040-01	60	AR-15-FG-005214-01
Euro OTC	Cyanocobalamin	1604017	30	20160509*
Euro OTC	Cyanocobalamin	1604017	40	20160509*
Euro OTC	Cyproterone acet...	1611003	30	20161201*
Euro OTC	Cyproterone acet...	1611003	40	20161201*
Euro OTC	Cysteine hydroch...	1112015-01	40	AR-13-FG-009216-01
Euro OTC	Cysteine hydroch...	1603018	40	20160419*
Euro OTC	Cysteine hydroch...	1112015-02	40	not necessary
Euro OTC	Cysteine hydroch...	1701012	40	20170207*
Euro OTC	Cysteine hydroch...	1510015	60	20151112*
Euro OTC	Cysteine hydroch...	1304019-01	40	not necessary
Euro OTC	Cysteine hydroch...	1507006	60	0000010551
Euro OTC	Cystine	1408016-01	60	not necessary
Euro OTC	Cystine	1610013	40	20161110*
Euro OTC	Cystine	1603010	40	20160406*
Euro OTC	Cystine	1307052-01	40	not necessary
Euro OTC	Cystine	1104017-01	40	AR-13-FG-002772-01
Euro OTC	D-(+)-mannose	L1111005-02	40	not necessary
Euro OTC	D-(+)-mannose	L1503016-01	60	not necessary
Euro OTC	D-(+)-mannose	L1111005-02	40	1405612
Euro OTC	Deoxycholic acid	1305051-01	40	not necessary
Euro OTC	Dequalinium chlo...	1512032	60	20160121*
Euro OTC	Dequalinium chlo...	1405012-01	60	not necessary
Euro OTC	Dequalinium chlo...	1405012-01	60	not necessary
Euro OTC	Dequalinium chlo...	1512032	60	20160121*
Euro OTC	Devil's claw roo...	1210003-02	40	20151102
Euro OTC	Dexamethasone	1611001	40	20161212*
Euro OTC	Dexamethasone	1303007-01	40	1407432
Euro OTC	Dexamethasone	1012005-01	45	from supplier
Euro OTC	Dexamethasone	1303007-01	45	not necessary
Euro OTC	Dexamethasone	1209008-02	40	pending
Euro OTC	Dexamethasone	1601052	45	20160225*
Euro OTC	Dexamethasone	1611001	37	20161212*

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Dexamethasone	1303007-01	60	not necessary
Euro OTC	Dexamethasone	1601052	45	20160225*
Euro OTC	Dexamethasone ac...	1405024-01	60	not necessary
Euro OTC	Dexamethasone ac...	1405024-01	45	not necessary
Euro OTC	Diclofenac sodium	1607016	40	20160808*
Euro OTC	Diclofenac sodium	1403013-01	40	not necessary
Euro OTC	Dimethyl fumarate	1410013-01	60	not necessary
Euro OTC	Dithranole	1203025-02	40	not necessary
Euro OTC	Emulsifying ceto...	1504010-01	60	not necessary
Euro OTC	Emulsifying ceto...	1510043	60	20151124*
Euro OTC	Emulsifying ceto...	1604013	40	20160509*
Euro OTC	Emulsifying ceto...	1701031	40	20170131*
Euro OTC	Erythromycin	1508034	60	20150925*
Euro OTC	Erythromycin	1607038	40	20160831*
Euro OTC	Erythromycin	1308016-02	60	1412542
Euro OTC	Estradiol benzoate	1507009	60	0000010566
Euro OTC	Estradiol benzoate	1611004	40	20161128*
Euro OTC	Estradiol benzoate	1301006-02	40	1507405
Euro OTC	Estradiol benzoate	1507009	60	0000010566
Euro OTC	Estradiol benzoate	1611004	40	20161128*
Euro OTC	Estradiol hemihy...	1607003	40	20160725*
Euro OTC	Estradiol hemihy...	1601017	45	20160122*
Euro OTC	Estradiol hemihy...	1507013	60	1510623
Euro OTC	Estradiol hemihy...	1612008	40	20170117*
Euro OTC	Estradiol hemihy...	1208022-01	40	not necessary
Euro OTC	Estradiol hemihy...	1601017	45	20160122*
Euro OTC	Estradiol hemihy...	1510039	89	20151103*
Euro OTC	Estradiol hemihy...	1607003	40	20160725*
Euro OTC	Estradiol hemihy...	1612008-01	40	not necessary
Euro OTC	Estradiol hemihy...	1612008-01	30	not necessary
Euro OTC	Estradiol hemihy...	1612008	40	20170117*
Euro OTC	Estradiol hemihy...	1510039	60	20151103*
Euro OTC	Estradiol hemihy...	1507013	60	1510623
Euro OTC	Estriol	1509042	60	20151009*
Euro OTC	Estriol	1703044	40	20170502*
Euro OTC	Estriol	1610035	40	20161207*
Euro OTC	Estriol	1310002-01	40	not necessary
Euro OTC	Estriol	1606044	40	20160803*
Euro OTC	Estriol	1507026	60	0000010671
Euro OTC	Estriol	1507026	60	0000010671
Euro OTC	Estriol	1509042	60	20151009*
Euro OTC	Estriol	1606044	40	20160803*
Euro OTC	Estriol	1610035	40	20161207*
Euro OTC	Ethacridine lact...	1412034-02	40	not necessary
Euro OTC	Ethacridine lact...	1206016-02	60	not necessary
Euro OTC	Ethyl hydrogen f...	1306012-01	60	1505456
Euro OTC	Ethyl hydrogen f...	1310029-01	60	not necessary
Euro OTC	Ethyl hydrogen f...	1601011	60	20160114*
Euro OTC	Ethyl hydrogen f...	1510005	60	20151030*
Euro OTC	Ethyl hydrogen f...	1306014-01	60	not necessary
Euro OTC	Ethyl hydrogen f...	1510006	60	20151030*
Euro OTC	Ethyl hydrogen f...	1601010	60	20160114*
Euro OTC	Ethyl hydrogen f...	1510006-01	40	not necessary
Euro OTC	Finasteride (for...	1610012	40	20161116*
Euro OTC	Finasteride (for...	1403016-01	60	1506004
Euro OTC	Finasteride (for...	1605020	40	20160613*
Euro OTC	Finasteride (for...	1403016-02	60	not necessary
Euro OTC	Finasteride (for...	1403016-02	51	not necessary
Euro OTC	Finasteride (for...	1610012	33	20161116*
Euro OTC	Finasteride (for...	1605020	40	20160613*

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Fluocinolonaceto...	2804013E-01	60	not necessary
Euro OTC	Fluocinolonaceto...	2804013E-01	40	1404008
Euro OTC	Fluocinolonaceto...	2804013E-01	60	not necessary
Euro OTC	Fluocinolonaceto...	2804013E-01	46	pending
Euro OTC	Fluocinolonaceto...	2804013E-01	60	pending
Euro OTC	Fluocinolonaceto...	2804013E-01	40	not necessary
Euro OTC	Fluocinolonaceto...	2804013V-03	40	from supplier
Euro OTC	Folic acid	1401005-01	40	not necessary
Euro OTC	Folic acid	1611009	40	20161201*
Euro OTC	Folic acid	1604036	40	20160429*
Euro OTC	Folic acid	1608030	40	20160905*
Euro OTC	Folic acid	1508024	60	20150902*
Euro OTC	Fructose	1604024	41	20160511*
Euro OTC	Fructose	1512009	60	20160113*
Euro OTC	Fructose	1509037	60	20151027*
Euro OTC	Fructose	1701049	40	20170213*
Euro OTC	Fructose	1607030	40	20160815*
Euro OTC	Fructose	1212015-01	40	not necessary
Euro OTC	Gentamicin sulfate	1305047-03	45	AR-15-FG-012403-01
Euro OTC	Gentamicin sulfate	2911034-01	40	not necessary
Euro OTC	Gentamicin sulfate	1305047-01	40	not necessary
Euro OTC	Gentamicin sulfate	1506016	60	0000010321
Euro OTC	Gentamicin sulfate	1506016	60	0000010321
Euro OTC	Gentamicin sulfate	1610036	40	20161124*
Euro OTC	Gentamicin sulfate	1604054	40	20160603*
Euro OTC	Gentamicin sulfate	1305047-03	60	1411076
Euro OTC	Glucose monohydr...	1601016	60	1601016*
Euro OTC	Glucose monohydr...	1604006	40	20160511*
Euro OTC	Glucose monohydr...	1210034-02	40	not necessary
Euro OTC	Glucose monohydr...	1607024	40	20160809*
Euro OTC	Glucose monohydr...	1701002	40	20170213*
Euro OTC	Glucose monohydr...	1509006	60	20150914*
Euro OTC	Glutamic acid	L1211001-01	40	not necessary
Euro OTC	Glutamic acid	L1405023-01	60	not necessary
Euro OTC	Glutamic acid	1604056	40	20160523*
Euro OTC	Glycine	1605035	40	20160609*
Euro OTC	Glycine	1402022-01	40	not necessary
Euro OTC	Glycine	1402022-01	60	AR-15-FG-005430-01
Euro OTC	Griffonia seed e...	1205027	40	from supplier
Euro OTC	Guaifenesin	1212002-01	40	not necessary
Euro OTC	Guaifenesin	1605005	40	20160525*
Euro OTC	Guaifenesin	1506044	60	0000010494
Euro OTC	Guaifenesin	1701011	40	20170209*
Euro OTC	Heavy magnesium ...	1205012-01	40	not necessary
Euro OTC	Heavy magnesium ...	pending	27	AR-12-FG-008488-01
Euro OTC	Heparin sodium	1605022-01	40	9699
Euro OTC	Heparin sodium	12050009-03	40	AR-15-FG-007427-02
Euro OTC	Heparin sodium	1202002-01	40	not necessary
Euro OTC	Histamine dihydr...	1111004-02	40	1403674
Euro OTC	Histamine dihydr...	1506030	60	0000010384
Euro OTC	Histidine	1703022	40	20170405*
Euro OTC	Hyaluronic acid ...	L1302028-01	40	1403532
Euro OTC	Hyaluronic acid ...	L1302028-01	60	not necessary
Euro OTC	Hydrocortisone	1509029	51	20151014*
Euro OTC	Hydrocortisone	1509029	60	20151014*
Euro OTC	Hydrocortisone	1206018-01	40	not necessary
Euro OTC	Hydrocortisone	1611016	40	20161220*
Euro OTC	Hydrocortisone	1611016	40	20161220*
Euro OTC	Hydrocortisone a...	1508029	60	20150902*
Euro OTC	Hydrocortisone a...	1209003-01	45	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Hydrocortisone a...	1209003-01	40	not necessary
Euro OTC	Hydrocortisone a...	1508029	44	20150902*
Euro OTC	Hydrocortisone a...	1604052	40	20160525*
Euro OTC	Hydrocortisone a...	1604052	30	20160525*
Euro OTC	Hydroxyethylcell...	1110024-04	40	not necessary
Euro OTC	Hydroxyethylcell...	1610039	40	20161128*
Euro OTC	Hydroxyethylcell...	1101022-02	40	not necessary
Euro OTC	Hydroxyethylcell...	1606030	40	20160629*
Euro OTC	Ibuprofen	1211011-02	40	1501533
Euro OTC	Indomethacin	1205002-01	40	not necessary
Euro OTC	Indomethacin	1012009-02	40	1402050
Euro OTC	Indomethacin	1512031	60	20160122*
Euro OTC	Indomethacin	1612017	40	20170209*
Euro OTC	Inositol	1011028-01	40	AR-12-FG-009055-01
Euro OTC	Inositol	1206032-01	40	not necessary
Euro OTC	Inositol	L1507021-01	40	not necessary
Euro OTC	Isoxuprine hydro...	1503008-01	40	not necessary
Euro OTC	Lactose monohydr...	1509030	60	20151013*
Euro OTC	Lactose monohydr...	1606025	40	20160628*
Euro OTC	L-carnitine tart...	1302017-01	40	from supplier
Euro OTC	Levocarnitine	1303027-02	60	not necessary
Euro OTC	Levocarnitine	1106012-02	40	AR-12-FG-009574-01
Euro OTC	Levocarnitine	1210029-01	40	not necessary
Euro OTC	L-glutathione	1102019-02	60	AR-15-FG-008218-01
Euro OTC	L-glutathione	1703008	40	20170327*
Euro OTC	Lidocaine	1603027	40	20160413*
Euro OTC	Lidocaine	1310023-01	60	not necessary
Euro OTC	Lidocaine	1612021	40	20170206*
Euro OTC	Lidocaine hydroc...	1612015	40	20170213*
Euro OTC	Lidocaine hydroc...	1606024	40	20160706*
Euro OTC	Lidocaine hydroc...	1403025-02	60	not necessary
Euro OTC	Lidocaine hydroc...	1411010	60	0000009260
Euro OTC	L-isoleucine	L1211010-02	60	not necessary
Euro OTC	L-isoleucine	L1211010-02	60	not necessary
Euro OTC	L-isoleucine	1611007	40	20161201*
Euro OTC	L-isoleucine	1604057	40	20160601*
Euro OTC	L-leucine	1302013-01	60	not necessary
Euro OTC	L-leucine	1601032	40	20160308*
Euro OTC	L-phenylalanine	1704003	40	20170425*
Euro OTC	L-phenylalanine	1212014-03	60	not necessary
Euro OTC	L-phenylalanine	1409013-02	40	not necessary
Euro OTC	L-proline	L1210046-02	40	1403153
Euro OTC	L-proline	1606010-01	40	not necessary
Euro OTC	L-proline	1606010	40	20160714*
Euro OTC	L-proline	L1210046-01	40	not necessary
Euro OTC	L-proline	L1210046-02	60	not necessary
Euro OTC	L-proline	1606010-01	40	1704529
Euro OTC	L-serine	1606020	40	20160714*
Euro OTC	L-serine	1611006	40	20161201*
Euro OTC	L-serine	1512012	60	20160112*
Euro OTC	L-serine	1606020-01	40	not necessary
Euro OTC	L-threonine	1601031	40	20160225*
Euro OTC	L-threonine	1606019	40	20160714*
Euro OTC	L-threonine	1210027-01	60	not necessary
Euro OTC	L-threonine	1210027-01	40	1403152
Euro OTC	L-threonine	1609014	40	20160929*
Euro OTC	L-tryptophan	1506003	60	20150630*
Euro OTC	L-tryptophan	1506003	60	20150630*
Euro OTC	Lysine hydrochlo...	1611021	40	20161202*
Euro OTC	Lysine hydrochlo...	L1103041-01	40	AR-12-FG-007558-01

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Lysine hydrochlo...	1603011	40	20160408*
Euro OTC	Macrogol 1500	1508002	60	20150810*
Euro OTC	Macrogol 1500	1604005	40	20160512*
Euro OTC	Macrogol 4000	1508031	60	20150914*
Euro OTC	Macrogol 4000	1609018	40	20160929*
Euro OTC	Macrogol 4000	1605025	40	20160603*
Euro OTC	Macrogol 4000	1701007	40	20170213*
Euro OTC	Macrogol 4000	1605012	40	20160606*
Euro OTC	Macrogol 4000	1507004	60	0000010550
Euro OTC	Macrogol 4000	1702003	40	20170301*
Euro OTC	Magnesium (hydro...	1608004	40	20160823*
Euro OTC	Magnesium (hydro...	1701004	40	20170124*
Euro OTC	Magnesium (hydro...	1507010	60	0000010589
Euro OTC	Magnesium (hydro...	1604002	40	20160419*
Euro OTC	Magnesium (hydro...	1701003	40	20170124*
Euro OTC	Magnesium (hydro...	1110026-02	40	1402474
Euro OTC	Magnesium (hydro...	1601005	60	20160119*
Euro OTC	Magnesium (hydro...	1510033	60	20151117*
Euro OTC	Magnesium carbon...	2910023	40	from supplier
Euro OTC	Magnesium citrat...	1501031	60	AR-15-FG-007845-01
Euro OTC	Magnesium citrat...	1511018	60	20151130*
Euro OTC	Magnesium citrat...	1507019	60	0000010617
Euro OTC	Magnesium citrat...	1701018	40	20170124*
Euro OTC	Magnesium citrat...	1506020	60	0000010379
Euro OTC	Magnesium citrat...	1602028	40	20160314*
Euro OTC	Magnesium citrat...	1607006	40	20160725*
Euro OTC	Magnesium hydrog...	1204014-01	40	1404588
Euro OTC	Magnesium hydrog...	1605031	40	20160617*
Euro OTC	Magnesium hydrog...	1012021-01	40	not necessary
Euro OTC	Magnesium hydrog...	1012021	40	not necessary
Euro OTC	Magnesium hydrog...	1012021-01	40	not necessary
Euro OTC	Magnesium hydrog...	1306045-01	60	not necessary
Euro OTC	Magnesium orotat...	1109034-01	40	not necessary
Euro OTC	Magnesium orotat...	1608017	40	20160913*
Euro OTC	Magnesium orotat...	1511021	60	20151228*
Euro OTC	Magnesium oxide,...	1109031	30	from supplier
Euro OTC	Magnesium stearate	1608022	40	20160928*
Euro OTC	Magnesium stearate	1502033-01	40	not necessary
Euro OTC	Magnesium sulfat...	1202017-01	40	not necessary
Euro OTC	Magnesium sulfat...	1109023-01	40	from supplier
Euro OTC	Magnesium trisil...	1012032-01	40	AR-13-FG-002912-01
Euro OTC	Manganese orotat...	1605029-01	40	not necessary
Euro OTC	Manganese orotat...	1601003	60	20160113*
Euro OTC	Manganese orotat...	1605029-01	40	not necessary
Euro OTC	Mannitole	1610027	40	20161102*
Euro OTC	Mannitole	1604008	40	20160425*
Euro OTC	Mannitole	1606031	40	20160630*
Euro OTC	Mannitole	1508012	60	20150827*
Euro OTC	Mannitole	1511025	60	20151228*
Euro OTC	Melatonin	1610040	40	20161201*
Euro OTC	Melatonin	1510041	60	20151123*
Euro OTC	Melatonin	1510041	60	20151123*
Euro OTC	Melatonin	1305029-02	60	1411054
Euro OTC	Menthol	1701014	40	20170207*
Euro OTC	Menthol	1608012	40	20160902*
Euro OTC	Menthol	1509045	60	20151008*
Euro OTC	Menthol	1603024	40	20160429*
Euro OTC	Menthol	1403022-02	60	not necessary
Euro OTC	Mesalazine	1602005-01	40	not necessary
Euro OTC	Mesalazine	1602005	40	20160218*

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Mesalazine	1611019	40	20161128*
Euro OTC	Mesalazine	1206029-04	60	AR-15-FG-011819-01
Euro OTC	Mesalazine	1206029-04	60	not necessary
Euro OTC	Methionine	L1404041-01	60	not necessary
Euro OTC	Methionine	1602012	60	20160219*
Euro OTC	Methionine	1609024	40	20161004*
Euro OTC	Methionine	1703042	40	20170403*
Euro OTC	Methoxsalen	1608019	34	20160913*
Euro OTC	Methoxsalen	130604101	60	not necessary
Euro OTC	Methoxsalen	2909040-02	40	not necessary
Euro OTC	Methoxsalen	1506013	60	20150706*
Euro OTC	Methoxsalen	1608019	40	20160913*
Euro OTC	Methoxsalen	1506013	45	20150706*
Euro OTC	Methoxsalen	130604101	55	not necessary
Euro OTC	Methyl-4-hydroxy...	1205025-01	40	not necessary
Euro OTC	Methyl-4-hydroxy...	1601037	60	20160119*
Euro OTC	Methylcobalamin	1401032-01	60	8778
Euro OTC	Methylcobalamin	1510002	60	20151201*
Euro OTC	Methylcobalamin	1401032	60	20151201*
Euro OTC	Methylcobalamin	1601043	60	20160209*
Euro OTC	Methylcobalamin	1207019-01	40	1402501
Euro OTC	Metronidazole	1508004	60	20150819*
Euro OTC	Metronidazole	1212030-02	40	not necessary
Euro OTC	Metronidazole	1612013	40	20170117*
Euro OTC	Metronidazole	1609028	40	20161014*
Euro OTC	Miconazole nitrate	1509014	53	20150930*
Euro OTC	Miconazole nitrate	1509014	60	20150930*
Euro OTC	Miconazole nitrate	1307025-02	60	not necessary
Euro OTC	Miconazole nitrate	1607004	40	20160722*
Euro OTC	Miconazole nitrate	1604004	40	20160419*
Euro OTC	Miconazole nitrate	1307025-02	37	not necessary
Euro OTC	Miconazole nitrate	1611024	40	20161208*
Euro OTC	Miconazole nitrate	1607004	30	20160722*
Euro OTC	Miconazole nitrate	1604004	36	20160419*
Euro OTC	Miconazole nitrate	1611024	37	20161208*
Euro OTC	Minoxidil	1411006-01	60	not necessary
Euro OTC	Minoxidil	1509035	60	20151016*
Euro OTC	Minoxidil	1612011	40	20170130*
Euro OTC	Minoxidil	1607007	40	20160803*
Euro OTC	Minoxidil	1612011	40	20170130*
Euro OTC	Minoxidil	1411006-01	60	not necessary
Euro OTC	Minoxidil	1311038-01	59	AR-15-FG-007848-01
Euro OTC	Minoxidil	1509035	60	20151016*
Euro OTC	Minoxidil	1602013	60	20160225*
Euro OTC	Minoxidil	1602013	60	20160225*
Euro OTC	Mometasone furoa...	1610009	40	20170321*
Euro OTC	Mometasone furoa...	1606021	40	20160708*
Euro OTC	Mometasone furoa...	1403015-01	31	not necessary
Euro OTC	Mometasone furoa...	1403015-01	60	not necessary
Euro OTC	Mometasone furoa...	1510036	60	20151118*
Euro OTC	Mometasone furoa...	1606021	33	20160708*
Euro OTC	Mometasone furoa...	1510036	30	20151118*
Euro OTC	Naphazoline hydr...	1407034-01	60	AR-15-FG-007847-01
Euro OTC	Naphazoline hydr...	1607041	40	20160819*
Euro OTC	Naphazoline hydr...	1506015	60	20150727*
Euro OTC	Naphazoline nitr...	1512033	60	20160126*
Euro OTC	Neomycin sulfate	1303033-03	60	AR-15-FG-016582-01
Euro OTC	Neomycin sulfate	1102043-02	40	not necessary
Euro OTC	Neomycin sulfate	1601046	45	20160212*
Euro OTC	Nicotinamide	1310025-01	60	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Nicotinamide	1601045	60	20160210*
Euro OTC	Nicotinamide	1511010	60	20151203*
Euro OTC	Nicotinamide	1003025-03	40	not necessary
Euro OTC	Nicotinamide	1610019	40	20161202*
Euro OTC	Nicotinamide	1108021-01	40	not necessary
Euro OTC	Norethisterone a...	1306033-01	60	1511684
Euro OTC	Nystatin	281103201	80	from supplier
Euro OTC	Ornithine aspart...	1611018-01	40	not necessary
Euro OTC	Ornithine aspart...	L1107045-01	40	not necessary
Euro OTC	Ornithine aspart...	L1304034-01	40	1402571
Euro OTC	Ornithine aspart...	1611018	40	20161213*
Euro OTC	Ornithine aspart...	1312030-01	60	1506280
Euro OTC	Ornithine hydroc...	1612009	40	20170113*
Euro OTC	Ornithine hydroc...	1704006	40	20170425*
Euro OTC	Ornithine hydroc...	1307028-01	120	not necessary
Euro OTC	Ornithine hydroc...	1612009-01	40	not necessary
Euro OTC	Ornithine hydroc...	1605011	40	20160601*
Euro OTC	Oxytetracycline ...	1602025-02	40	not necessary
Euro OTC	Oxytetracycline ...	1602025-02	40	not necessary
Euro OTC	Oxytetracycline ...	1306022-02	60	1507542
Euro OTC	Oxytetracycline ...	1602025	40	20160609*
Euro OTC	Oxytetracycline ...	1602025	40	20160609*
Euro OTC	Oxytetracycline ...	1602025-01	40	AR-16-FG-014422-01
Euro OTC	Oxytetracycline ...	1701034	40	20170314*
Euro OTC	Oxytetracycline ...	1506037	60	20150721*
Euro OTC	Oxytetracycline ...	1506037	60	20150721*
Euro OTC	Paracetamol	1111024-02	60	not necessary
Euro OTC	Pheniramine male...	1109013-02	40	not necessary
Euro OTC	Phenylbutazon	1604033	40	20160510*
Euro OTC	Phenylbutazon	1507023	60	0000010637
Euro OTC	Phenylbutazon	1305050-02	60	AR-15-FG-005687-01
Euro OTC	Pilocarpine hydr...	1603047	40	20160429*
Euro OTC	Pilocarpine hydr...	1305044-01	60	not necessary
Euro OTC	Pilocarpine hydr...	1305044-01	60	not necessary
Euro OTC	Pilocarpine hydr...	1603047	40	20160429*
Euro OTC	Polymyxin B sulf...	1604016	40	20160509*
Euro OTC	Polymyxin B sulf...	1505005-01	60	AR-16-FG-005387-01
Euro OTC	Polymyxin B sulf...	1304033-02	60	not necessary
Euro OTC	Polymyxin B sulf...	1304033-01	40	not necessary
Euro OTC	Polymyxin B sulf...	1202039-02	40	1411033
Euro OTC	Polymyxin B sulf...	1701010	40	20170216*
Euro OTC	Polymyxin B sulf...	1202039-02	40	pending
Euro OTC	Potassium acetate	1112007	40	not necessary
Euro OTC	Potassium citrate	1603040	40	20160413*
Euro OTC	Potassium citrate	1204016-01	40	not necessary
Euro OTC	Potassium citrate	1606041	40	20160714*
Euro OTC	Potassium citrate	1509044	60	20151013*
Euro OTC	Potassium citrate	1611017	40	20161207*
Euro OTC	Potassium hydroc...	1004019-01	70	from supplier
Euro OTC	Potassium orotate	1203038V-02	60	not necessary
Euro OTC	Potassium orotate	1203038V-02	40	not necessary
Euro OTC	Potassium orotate	1203038V-02	40	9757
Euro OTC	Potassium sorbate	1608013	40	20160819*
Euro OTC	Potassium sorbate	1508025	60	20150902*
Euro OTC	Povidone iodine	1501029-01	60	not necessary
Euro OTC	Povidone iodine	1606026	40	20160708*
Euro OTC	Povidone iodine	1509009	60	20150918*
Euro OTC	Povidone iodine	1110013-02	40	not necessary
Euro OTC	Prasterone	1602018	40	20160301*
Euro OTC	Prasterone	1602018	30	20160301*

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Prasterone	1506011	60	20150629*
Euro OTC	Prasterone	1506011	60	20150629*
Euro OTC	Prasterone	1102036-01	40	1404310
Euro OTC	Prednicarbate, m...	1607012	40	20160812*
Euro OTC	Prednicarbate, m...	1609022	40	20161024*
Euro OTC	Prednicarbate, m...	1601058	31	20160223*
Euro OTC	Prednicarbate, m...	1605001	30	20160523*
Euro OTC	Prednicarbate, m...	1605001	25	20160523*
Euro OTC	Prednicarbate, m...	1601058	45	20160223*
Euro OTC	Prednicarbate, m...	1302033-02	60	1509286
Euro OTC	Prednicarbate, m...	1607011	15	20150730*
Euro OTC	Prednicarbate, m...	1607011	54	20150730*
Euro OTC	Prednicarbate, m...	1609022	27	20161024*
Euro OTC	Prednicarbate, m...	1607012	28	20160812*
Euro OTC	Prednisolone ace...	1306040	40	not necessary
Euro OTC	Prednisolone ace...	1607010	40	20160803*
Euro OTC	Prednisolone ace...	1512020	44	20160119*
Euro OTC	Prednisolone ace...	1512020	45	20160119*
Euro OTC	Prednisolone ace...	1607010	40	20160803*
Euro OTC	Prednisolone ace...	1209028-03	60	AR-15-FG-010480-01
Euro OTC	Prednisolone, mi...	1212021-02	60	1411270
Euro OTC	Prednisolone, mi...	1607011	40	20160818*
Euro OTC	Prednisolone, mi...	1607011	40	20160818*
Euro OTC	Prednisolone, mi...	1501047-01	60	AR-15-FG-015509-01
Euro OTC	Prednisolone, mi...	1501047-01	30	AR-15-FG-015509-01
Euro OTC	Prednisolone, mi...	1212021-02	48	1411270
Euro OTC	Prednisone	1604051	40	20160523*
Euro OTC	Prednisone	1604051	40	20160523*
Euro OTC	Prednisone	1401042-02	60	1605276
Euro OTC	Pregnenolone	1204040-01	40	1404311
Euro OTC	Pregnenolone	1312007-01	60	8985
Euro OTC	Pregnenolone	2903030-02	40	not necessary
Euro OTC	Pregnenolone	1602001	45	20160208*
Euro OTC	Pregnenolone	1612019	40	20170131*
Euro OTC	Pregnenolone	1606028	40	20160629*
Euro OTC	Procaine hydroch...	1003001-01	40	not available
Euro OTC	Procaine hydroch...	1601014	60	20160203*
Euro OTC	Progesterone, mi...	1506033	60	0000010482
Euro OTC	Progesterone, mi...	1509008	60	20150914*
Euro OTC	Progesterone, mi...	1609001	30	20161024*
Euro OTC	Progesterone, mi...	1609016	30	20161024*
Euro OTC	Progesterone, mi...	1601001	44	20160128*
Euro OTC	Progesterone, mi...	1603004	31	20160406*
Euro OTC	Progesterone, mi...	1603004	40	20160406*
Euro OTC	Progesterone, mi...	1605032	40	20160615*
Euro OTC	Progesterone, mi...	1606033	40	20160701*
Euro OTC	Progesterone, mi...	1605013	30	20160523*
Euro OTC	Progesterone, mi...	1506033	50	0000010482
Euro OTC	Progesterone, mi...	1603012	29	20160406*
Euro OTC	Progesterone, mi...	1509008	53	20150914*
Euro OTC	Progesterone, mi...	1506034	60	0000010483
Euro OTC	Progesterone, mi...	1511008	27	20151119*
Euro OTC	Progesterone, mi...	1111053-01	30	not necessary
Euro OTC	Progesterone, mi...	1601001	45	20160128*
Euro OTC	Progesterone, mi...	1606033	30	20160701*
Euro OTC	Progesterone, mi...	1603012	40	20160406*
Euro OTC	Progesterone, mi...	1605032	38	20160615*
Euro OTC	Progesterone, mi...	1601009	45	20160128*
Euro OTC	Progesterone, mi...	1511008	60	20151119*
Euro OTC	Progesterone, mi...	1601009	45	20160128*

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Progesterone, mi...	1506034	59	0000010483
Euro OTC	Progesterone, mi...	1605013	40	20160523*
Euro OTC	Progesterone, mi...	1609001	40	20161024*
Euro OTC	Progesterone, mi...	1609016	40	20161024*
Euro OTC	Pyridoxal-5-phos...	1302029-01	40	not necessary
Euro OTC	Pyridoxal-5-phos...	1701015	40	20170220*
Euro OTC	Pyridoxal-5-phos...	1302029-01	40	8897
Euro OTC	Pyridoxine hydro...	1401044-01	60	not necessary
Euro OTC	Pyridoxine hydro...	1507012	60	0000010614
Euro OTC	Pyridoxine hydro...	1601039	60	20160203*
Euro OTC	Pyridoxine hydro...	1608035	40	20160922*
Euro OTC	Pyridoxine hydro...	1407009-01	60	not necessary
Euro OTC	Pyridoxine hydro...	1604063	40	20160523*
Euro OTC	Ribavirin	1604012	40	20160428*
Euro OTC	Ribavirin	1308001	45	20130902*
Euro OTC	Ribavirin	1304027-02	40	not necessary
Euro OTC	Ribavirin	1304027-01	45	AR-16-FG-007485-01
Euro OTC	Riboflavin	1701050	40	20170214*
Euro OTC	Salicylic acid	1110020-01	40	not necessary
Euro OTC	Salicylic acid	1605023	40	20160614*
Euro OTC	Salicylic acid	1509007	60	20150929*
Euro OTC	Selenium yeast	L1204012-01	40	1403461
Euro OTC	Selenium yeast	L1401013-01	40	not necessary
Euro OTC	Sildenafil citrate	1311010-01	60	not necessary
Euro OTC	Sildenafil citrate	1311010-04	40	not necessary
Euro OTC	Silicium dioxide	1101027-01	40	from supplier
Euro OTC	Sodium acetate t...	1507020	60	0000010626
Euro OTC	Sodium acetate t...	1608032	40	20160914*
Euro OTC	Sodium ascorbate	1510017	60	20151102*
Euro OTC	Sodium ascorbate	1506018	60	20150706*
Euro OTC	Sodium ascorbate	1406018-01	60	not necessary
Euro OTC	Sodium ascorbate	05061206	40	not available
Euro OTC	Sodium ascorbate	1507030	60	0000010674
Euro OTC	Sodium ascorbate	1601007	60	20160120*
Euro OTC	Sodium ascorbate	1406018-01	60	1411165
Euro OTC	Sodium ascorbate	1607044	40	20160823*
Euro OTC	Sodium ascorbate	1611015	40	20161202*
Euro OTC	Sodium ascorbate	1604001	40	20160413*
Euro OTC	Sodium benzoate	1409040-01	60	not necessary
Euro OTC	Sodium benzoate	1701045	40	20170207*
Euro OTC	Sodium benzoate	1607005	40	20160729*
Euro OTC	Sodium benzoate	1610037	40	20161202*
Euro OTC	Sodium benzoate	1510044	60	20151109*
Euro OTC	Sodium benzoate	1602020	60	20160225*
Euro OTC	Sodium benzoate	1506019	60	0000010378
Euro OTC	Sodium citrate	1506041	60	0000010492
Euro OTC	Sodium citrate	1701029	40	20170126*
Euro OTC	Sodium citrate	1610016	40	20161102*
Euro OTC	Sodium citrate	1511017	60	20151130*
Euro OTC	Sodium citrate	1205026-01	40	not necessary
Euro OTC	Sodium citrate	1607040	40	20160815*
Euro OTC	Sodium citrate	1604030	40	20160427*
Euro OTC	Sodium cromoglic...	1112003-01	40	not necessary
Euro OTC	Sodium cromoglic...	1403017-01	60	not necessary
Euro OTC	Sodium cromoglic...	1403017-01	60	not necessary
Euro OTC	Sodium cromoglic...	1510018	60	20151109*
Euro OTC	Sodium cromoglic...	1510018	60	20151109*
Euro OTC	Sodium dihydroge...	1202015-01	40	not necessary
Euro OTC	Sodium edetate	1609023	40	20170106*
Euro OTC	Sodium edetate	1609023-01	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Sodium molybdate...	L1305049-01	60	not necessary
Euro OTC	Sodium molybdate...	L2809007V-02	40	AR-13-FG-002915-01
Euro OTC	Sodium molybdate...	L1305049-01	45	not necessary
Euro OTC	Sodium tetraborate	1607036	40	20160816*
Euro OTC	Sodium tetraborate	1603043	40	20160419*
Euro OTC	Sodium tetraborate	1404025-01	60	not necessary
Euro OTC	Sodium tetraborate	1507024	60	0000010645
Euro OTC	Sodium tetraborate	1510032	60	20151118*
Euro OTC	Sodium tetraborate	1701046	40	20170131*
Euro OTC	Sodium tetraborate	2905009-02	50	not available
Euro OTC	Sorbitol	1506052	60	0000010500
Euro OTC	Sorbitol	1604007	40	20160428*
Euro OTC	Sorbitol	1512016	60	20160113*
Euro OTC	Sorbitol	1610018	40	20161121*
Euro OTC	Spironolactone	1212034-01	40	not necessary
Euro OTC	Spironolactone	1212034-01	42	1403151
Euro OTC	Spironolactone	1602006	45	20160309*
Euro OTC	Spironolactone	1612002	40	20170109*
Euro OTC	Spironolactone	1004035-01	50	not necessary
Euro OTC	Sulfacetamide	1702006	40	20170307*
Euro OTC	Sulfacetamide	1312012-01	60	not necessary
Euro OTC	Sulfacetamide	1509018	60	20150929*
Euro OTC	Taurine	1504032-01	60	not necessary
Euro OTC	Taurine	1704001	40	20170426*
Euro OTC	Taurine	1607035	40	20160819*
Euro OTC	Taurine	1306024-01	50	not necessary
Euro OTC	Taurine	1504032-01	60	9167
Euro OTC	Taurine	1602011	60	20160218*
Euro OTC	Testosterone	1106011-01	40	pending
Euro OTC	Testosterone	1607013	40	20160804*
Euro OTC	Testosterone	1604049	34	20160510*
Euro OTC	Testosterone	1307001-01	40	1402309
Euro OTC	Testosterone	1604049	40	20160510*
Euro OTC	Testosterone	1511005-01	60	not necessary
Euro OTC	Testosterone	1607013	40	20160804*
Euro OTC	Testosterone	1511005	60	20151119*
Euro OTC	Testosterone	1511005-01	32	not necessary
Euro OTC	Testosterone	1511005	35	20151119*
Euro OTC	Testosterone pro...	1109024-02	60	1503607
Euro OTC	Testosterone pro...	1511003	60	20151111*
Euro OTC	Testosterone pro...	1512023	45	20151230*
Euro OTC	Testosterone pro...	1512023	45	20151230*
Euro OTC	Testosterone pro...	1511003	43	20151111*
Euro OTC	Tetracaine base	1609010	40	20161107*
Euro OTC	Tetracaine base	1606009	40	20160627*
Euro OTC	Tetracaine base	1405025-01	60	AR-14-FG-012475-01
Euro OTC	Tetracaine base	1701035	40	20170330*
Euro OTC	Tetracaine base	1512022	45	20160128*
Euro OTC	Tetracaine hydro...	1506040	60	20150713*
Euro OTC	Tetracaine hydro...	1612005	40	20170112*
Euro OTC	Tetracaine hydro...	1607031	40	20160810*
Euro OTC	Tetracaine hydro...	1512019	45	20151228*
Euro OTC	Tetracycline hyd...	1302012-01	40	1411585
Euro OTC	Tetracycline hyd...	1506012	60	0000010322
Euro OTC	Tetracycline hyd...	1603026	40	20160607*
Euro OTC	Thiamine chlorid...	1008026	40	not necessary
Euro OTC	Thiamine chlorid...	1612004	40	20170117*
Euro OTC	Thiamine chlorid...	1106001-01	40	not necessary
Euro OTC	Thiamine chlorid...	1211008-02	60	not necessary
Euro OTC	Thiamine chlorid...	1106001-01	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Thymol	1510004	60	20151016*
Euro OTC	Thymol	1312022-02	60	not necessary
Euro OTC	Tobramycin sulfate	1510035-01	60	9202
Euro OTC	Tobramycin sulfate	1510035-01	60	9202
Euro OTC	Tobramycin sulfate	1301011-02	60	1508071
Euro OTC	Tobramycin sulfate	1505015-01	60	8963
Euro OTC	Tobramycin sulfate	1510035	60	20151208*
Euro OTC	Tobramycin sulfate	1505015-01	60	8963
Euro OTC	Tobramycin sulfate	1510035	60	20151208*
Euro OTC	Tretinoin	1604059	40	20160603*
Euro OTC	Tretinoin	1604059	40	20160603*
Euro OTC	Tretinoin	1402007-02	60	1507085
Euro OTC	Tretinoin	1612010	40	20170104*
Euro OTC	Tretinoin	1510007	60	20151102*
Euro OTC	Tretinoin	1402007-02	60	1507085
Euro OTC	Tretinoin	1612010	40	20170104*
Euro OTC	Tretinoin	1510007	60	20151102*
Euro OTC	Triamcinolone ac...	1508008	30	20150902*
Euro OTC	Triamcinolone ac...	1608005	22	20160906*
Euro OTC	Triamcinolone ac...	1601021	45	20160119*
Euro OTC	Triamcinolone ac...	1508008	60	20150902*
Euro OTC	Triamcinolone ac...	1303001-02	40	not necessary
Euro OTC	Triamcinolone ac...	1608005	40	20160906*
Euro OTC	Triamcinolone ac...	1605010	25	20160531*
Euro OTC	Triamcinolone ac...	1612014	40	20170130*
Euro OTC	Triamcinolone ac...	1211013-02	30	not necessary
Euro OTC	Triamcinolone ac...	1612014	29	20170130*
Euro OTC	Triamcinolone ac...	1605010	40	20160531*
Euro OTC	Tricalcium phosp...	1009031-01	50	from supplier
Euro OTC	Tricalcium phosp...	1206002-01	40	1402298
Euro OTC	Triclosan	1507041	60	20150804*
Euro OTC	Triclosan	1701032	40	20170207*
Euro OTC	Triclosan	1406032-01	60	not necessary
Euro OTC	Triclosan	1510045	60	20150511*
Euro OTC	Triclosan	1602003	45	20160204*
Euro OTC	Triclosan	1607002	40	20160713*
Euro OTC	Tyrosine	L1401037-01	60	not necessary
Euro OTC	Ubidecarenone	1205029-01	40	not necessary
Euro OTC	Ubidecarenone	1703026	40	20170406*
Euro OTC	Ubidecarenone	1605030	40	20160623*
Euro OTC	Urea	1601044	40	20160208*
Euro OTC	Urea	1404024-01	60	not necessary
Euro OTC	Urea	1604044	40	20160512*
Euro OTC	Urea	1604044	40	20160512*
Euro OTC	Valine	L1006023-01	40	not available
Euro OTC	Valine	1604055	40	20160601*
Euro OTC	Valine	1609009	40	20160921*
Euro OTC	Vancomycin hydro...	1604037	40	20160520*
Euro OTC	Vancomycin hydro...	1604037	40	20160520*
Euro OTC	Vancomycin hydro...	1506029	60	AR-15-FG-009077-01
Euro OTC	Vancomycin hydro...	1610038	40	20161208*
Euro OTC	Vancomycin hydro...	1506029	60	AR-15-FG-009077-01
Euro OTC	Vancomycin hydro...	1407047-01	60	AR-15-FG-008950-01
Euro OTC	Vancomycin hydro...	1610038	40	20161208*
Euro OTC	Vancomycin hydro...	1407047-01	60	AR-15-FG-008950-01
Euro OTC	Zinc gluconate	1508007	60	20150827*
Euro OTC	Zinc gluconate	1701017	40	20170131*
Euro OTC	Zinc gluconate	1606018	40	20160711*
Euro OTC	Zinc gluconate	1111002-01	40	AR-12-FG-008661-01
Euro OTC	Zinc gluconate	1603035	40	20160427*

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Supplier	Substance	Batch	Spectra	Certificate
Euro OTC	Zinc gluconate	1407033-02	60	not necessary
Euro OTC	Zinc orotate dihydrochloride	13050005-02	40	not necessary
Euro OTC	Zinc orotate dihydrochloride	1203014-01	40	1407431
Euro OTC	Zinc orotate dihydrochloride	1203014-01	40	not necessary
Euro-OTC	Amphotericin B	1305033-03	12	not required
Euro-OTC	Capsaicin, natural	1603005-01	10	not required
Euro-OTC	Ethyl hydrogen fumarate	1510005-01	12	not required
Euro-OTC	L-phenylalanine	1409013-02	12	not required
Fagron	(R,S)-epinephrine	12H08-N03	40	no certificate available
Fagron	(R,S)-epinephrine	14A22-B05-291560	60	no certificate available
Fagron	(R,S)-epinephrine	16H23-B98-325052	40	not necessary
Fagron	3,4-diaminopyridine	10J14-N21	40	AR-13-FG-000195-01
Fagron	3,4-diaminopyridine	13F05-N01	41	not necessary
Fagron	3,4-diaminopyridine	10J14-N21	40	not available
Fagron	3,4-diaminopyridine	16A22-B04-317264	60	not necessary
Fagron	5-aminolevulinic acid	11I30-N01	40	AR-12-FG-007021-01
Fagron	5-aminolevulinic acid	13K27-N02	40	not necessary
Fagron	5-fluorouracil	16D01-U05/3-327376	40	not necessary
Fagron	5-fluorouracil	09D28-N12	40	not necessary
Fagron	5-fluorouracil	13F19-N03	60	1608169
Fagron	5-fluorouracil	13F19-N03	40	1402308
Fagron	8-quinolinol sulfoxide	10F01-N15	40	AR-12-FG-009377-01
Fagron	8-quinolinol sulfoxide	12H21-N08	40	not necessary
Fagron	Acetylcysteine	08G23-N06	30	I 2009 000 347
Fagron	Acetylcysteine	15C16-B06-308039	40	not necessary
Fagron	Acetylsalicylic acid	14E02-B04-297099	40	not necessary
Fagron	Acetylsalicylic acid	12D02-N01	40	AR-14-FG-002829-01
Fagron	Aciclovir	15A15-B10-315379	13	not required
Fagron	Aciclovir	14G07-B05-296462	60	not necessary
Fagron	Aciclovir	15A15-B10-323362	40	not necessary
Fagron	Aciclovir	13B04-B40-294559	60	AR-15-FG-002570-01
Fagron	Aciclovir	13B04-B40-302333	60	not necessary
Fagron	Aciclovir	15A15-B10-323362	40	not necessary
Fagron	Aescin	12I07-B40-306607	40	1610369
Fagron	Aescin	12K22-N13	40	not necessary
Fagron	Aescin	1011033-02	40	not necessary
Fagron	Albendazole	12J25-B40-293217	60	AR-15-FG-002571-01
Fagron	Albendazole	16B04-B06-329519	40	not necessary
Fagron	Albendazole	14B05-B41-314321	40	not necessary
Fagron	Albendazole	14B05-B41-299704	60	not necessary
Fagron	Albendazole	16B04-B06-322057	40	not necessary
Fagron	Alfatradiol	15J27-B08-323877	40	not necessary
Fagron	Alfatradiol	15J27-B08-323877	40	not necessary
Fagron	Alfatradiol	15J27-B08-323877	40	not necessary
Fagron	Alfatradiol	11B07-N05	40	not necessary
Fagron	Alfatradiol	15J27-B08-323877	40	not necessary
Fagron	Alfatradiol	11G22-N11	40	not necessary
Fagron	Alfatradiol	13G19-N06	40	1402683
Fagron	Allantoin	13I03-B05	40	not necessary
Fagron	Allopurinol	14E15-B05-307746	60	AR-16-FG-004367-01
Fagron	Allopurinol	14E15-B05-307746	40	not necessary
Fagron	Allopurinol	14E15-B05-315557	13	not required
Fagron	Allopurinol	14E15-B05-315557	60	not necessary
Fagron	alpha-tocopheryl acetate	14B03-B04-295113	60	not necessary
Fagron	alpha-tocopheryl acetate	16H30-B05-326792	40	not necessary
Fagron	alpha-tocopheryl acetate	13H30-B02-287169	60	AR-15-FG-006388-01
Fagron	Aluminium chloride	12I27-N01	40	not necessary
Fagron	Aluminium potassium sulfate	12F25-N11	40	not necessary
Fagron	Aluminium potassium sulfate	10B01-N10	40	AR-12-FG-007570-01
Fagron	Ambroxol hydrochloride	13I24-N02	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Fagron	Amiloride hydroc...	13J08-B04-304547	60	not necessary
Fagron	Amiloride hydroc...	13J08-B04-288620	60	AR-16-FG-008919-01
Fagron	Amiloride hydroc...	15C25-B05-325653	40	not necessary
Fagron	Amiloride hydroc...	16K07-B02-329114	40	not necessary
Fagron	Amitriptyline hy...	16C31-B01-325540	40	not necessary
Fagron	Amphetamine sulf...	13G08-N11	40	0814K-03361
Fagron	Amphetamine sulf...	15L01-B05-315291	60	1316Q-03361
Fagron	Amphetamine sulf...	15L01-B05-315291	60	1316Q-03361
Fagron	Amphetamine sulf...	13G08-N11	60	0814K-03361
Fagron	Amphotericin B	13I16-N02	40	1508271
Fagron	Amphotericin B	13I16-N02	60	not necessary
Fagron	Arginine	13J28-B02	40	AR-15-FG-008045-01
Fagron	Arginine	10H11-N05	40	not necessary
Fagron	Arginine	L11070165	40	AR-12-FG-007764-01
Fagron	Arginine	11H01-N05	40	not necessary
Fagron	Ascorbic acid	13G29-B07	40	1410500
Fagron	Ascorbyl palmitate	13C06-B40-291206	60	not necessary
Fagron	Ascorbyl palmitate	15F01-B99-309774	60	not necessary
Fagron	Ascorbyl palmitate	13K04-N01	40	1403226
Fagron	Atropine sulfate	16G20-B06-328437	40	not necessary
Fagron	Atropine sulfate	16G20-B06-328437	40	not necessary
Fagron	Bacitracin	15C12-B06-309185	60	not necessary
Fagron	Bacitracin	09J30-N01	40	not necessary
Fagron	Bacitracin	15C12-B06-309185	60	9466
Fagron	Bacitracin	13A-03-N11	40	1401189
Fagron	Bacitracin	16B17-B03-322939	40	not necessary
Fagron	Bacitracin	14A21-B09-292909	60	1511741
Fagron	Bacitracin	14A21-B09-292909	60	not necessary
Fagron	Bacitracin	14E23-B03-296243	60	1503715
Fagron	Bacitracin	15C12-B06-309185	60	not necessary
Fagron	Barbital sodium	12F27-N02	60	0814I-07775
Fagron	Barbital sodium	12F27-N02	40	0814I-07775
Fagron	Barbital sodium	14K14-B04-303353	60	1516I-07775
Fagron	Barbital sodium	14K14-B04-303353	60	1516I-07775
Fagron	Beclometasone di...	13E02B40293328	40	not necessary
Fagron	Beclometasone di...	13I05-N03	40	1511689
Fagron	Beclometasone di...	13E02-B40-296353	29	not necessary
Fagron	Beclometasone di...	11C01-N03	40	not available
Fagron	Beclometasone di...	13E02-B40-296353	60	not necessary
Fagron	Benzocaine	12E04-N06	40	not necessary
Fagron	Benzocaine	10K02-N01	40	AR-12-FG-002996-01
Fagron	Benzocaine	10K02-N01	40	not necessary
Fagron	Benzoic acid	09B25-N03	33	I 2009 000 348
Fagron	Benzydamine hydr...	12D26-N14	40	1402328
Fagron	Benzydamine hydr...	15I17-B02-315060	60	not necessary
Fagron	Benzydamine hydr...	14I30-B04-300713	45	AR-15-FG-015977-01
Fagron	Betaine hydrochl...	13H13-N02	40	1402684
Fagron	Betaine hydrochl...	12A03-N08	40	not necessary
Fagron	Betaine monohydr...	14I26-B06-309878	60	not necessary
Fagron	Betamethasone di...	16C04-B03-324513	39	not necessary
Fagron	Betamethasone di...	10K09-N06	40	not necessary
Fagron	Betamethasone di...	13I17-N05	40	1401377
Fagron	Betamethasone di...	16C04-B03-324513	40	not necessary
Fagron	Betamethasone di...	13I17-N05	80	not necessary
Fagron	Betamethasone va...	12K07-N23	39	not necessary
Fagron	Betamethasone va...	13K29-B32-288243	60	not necessary
Fagron	Betamethasone va...	13K05-B08-292651	60	1511154
Fagron	Betamethasone, m...	13H08-N06	60	1411037
Fagron	Betamethasone, m...	11B18-N14	30	not necessary
Fagron	Betamethasone, m...	15L09-B05-324091	40	not necessary

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Supplier	Substance	Batch	Spectra	Certificate
Fagron	Betamethasone, m...	11H31-B06-288219	40	1608324
Fagron	Betamethasone, m...	14C13-B02-296165	40	not necessary
Fagron	Betamethasone, m...	11B18-N14	30	not necessary
Fagron	Betamethasone, m...	12D26-N08	40	1402096
Fagron	Betamethasone-17...	11F22-N03	40	AR-13-FG-002911-01
Fagron	Betamethasone-17...	11G07IH	40	from supplier
Fagron	Betamethasone-17...	11I15-N02	40	not necessary
Fagron	Bifonazole	16D07-B10-324381	40	not necessary
Fagron	Bifonazole	11A13-N13	30	not necessary
Fagron	Bifonazole	12G11-N09	40	not necessary
Fagron	Biotin	13K29-N02	40	not necessary
Fagron	Biotin	10I17-N08	40	AR-12-FG-008445-01
Fagron	Bismuth gallath,...	15J26-B02-317883	40	not necessary
Fagron	Bismuth gallath,...	15B02-B04-309481	40	not necessary
Fagron	Boric acid	09L21-N08	50	AR-12-FG-002702-01
Fagron	Boric acid	13I04-N06	40	not necessary
Fagron	Bromelain	11A10-N10	40	not necessary
Fagron	Bromelain	14F20-B03295501	40	pending
Fagron	Bromelain	14F20-B03295501	60	not necessary
Fagron	Budesonide, micr...	16J04-B01-326581	40	not necessary
Fagron	Budesonide, micr...	16J04-B01-326581	24	not necessary
Fagron	Budesonide, micr...	16J04-B01-326581	30	not necessary
Fagron	Budesonide, micr...	16J04-B01-326581	40	not necessary
Fagron	Caffeine citrate	11F21-N05	40	not necessary
Fagron	Caffeine citrate	15A05-B03-318006	40	not necessary
Fagron	Caffeine citrate	12C16-N03	40	1403477
Fagron	Caffeine citrate	15A05-B03-318006	40	not necessary
Fagron	Caffeine citrate	15A05-B03-302746	60	not necessary
Fagron	Caffeine citrate	15A05-B03-302746	40	not necessary
Fagron	Calcium glycerop...	15B03-B03-305050	60	1706313
Fagron	Calcium glycerop...	13I17-N04	40	not necessary
Fagron	Calcium hydroxide	13E22-N07	20	not necessary
Fagron	Calcium hydroxide	10L15-N07	30	not necessary
Fagron	Calcium lactate ...	12I12-N06	40	AR-15-FG-007939-01
Fagron	Calcium lactate ...	pending	40	AR-13-FG-002444-01
Fagron	Calcium lactate ...	12E10-N03	40	not necessary
Fagron	Calcium orotate ...	13J23-N05	40	not necessary
Fagron	Calcium orotate ...	12L04-N07	40	not necessary
Fagron	Calcium pantothe...	11J20-N01	40	AR-12-FG-008444-01
Fagron	Calcium pantothe...	13H28-N11	40	not necessary
Fagron	Calcium pantothe...	10I22-N05	40	not necessary
Fagron	Camphor	14E19-B07-300365	60	not necessary
Fagron	Capsaicin, natural	13D12-N01	40	1411392
Fagron	Capsaicin, natural	13J07-N07	40	AR-15-FG-007151-01
Fagron	Captopril	14B26-B01-312221	60	not necessary
Fagron	Captopril	14B26-B01-312221	60	not necessary
Fagron	Captopril	12G25-N08	40	not necessary
Fagron	Captopril	10L09-N17	30	not necessary
Fagron	Carmellose sodiu...	13D22-N02	40	1401187
Fagron	Cellulose, micro...	12C23-N06	70	1403080
Fagron	Cellulose, micro...	16B24-B11-323324	40	not necessary
Fagron	Cetostearyl alco...	12C21-N09	40	not necessary
Fagron	Cetostearyl alco...	13C13-N13	40	1402265
Fagron	Chloral hydrate	13F06-N07	40	not necessary
Fagron	Chloral hydrate	11J05-N01	40	AR-12-FG-009588-01
Fagron	Chloral hydrate	12C26-M04	40	AR-13-FG-008605-01
Fagron	Chloramphenicol	11F20-N05	90	1412249
Fagron	Chloramphenicol	14E01-B02-308559	60	not necessary
Fagron	Chloramphenicol	13A11-N02	30	not necessary
Fagron	Chloramphenicol	16I12-B07-327124	40	not necessary

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Fagron	Chlorhexidine di...	15J02-B08-322916	40	not necessary
Fagron	Chlorhexidine di...	15J02-B08-322916	40	not necessary
Fagron	Chlorhexidine di...	14I08-B02-306223	60	not necessary
Fagron	Chlorhexidine di...	14A09-B03	40	AR-15-FG-012308-01
Fagron	Chlorhexidine di...	16C11-B02-324203	40	not necessary
Fagron	Chlorhexidine di...	10B02-N06	40	AR-12-FG-002997-01
Fagron	Chlorobutanol he...	14A06-B31-290310	60	1412458
Fagron	Chlortetracyclin...	12K30-N07	40	1405318
Fagron	Chlortetracyclin...	07C27-N01	40	not necessary
Fagron	Chlortetracyclin...	12K30-N07	40	not necessary
Fagron	Chlortetracyclin...	14J08-B07-307742	60	not necessary
Fagron	Cholesterol	15J23-B03-325106	40	not necessary
Fagron	Cholesterol	13F10-B40	40	not necessary
Fagron	Cholesterol	10315-N07	40	not available
Fagron	Cholesterol	08L09-N01	40	AR-14-FG-000153-01
Fagron	Ciclopirox olamine	16G26-B02-324884	40	not necessary
Fagron	Ciclopirox olamine	14F13-B03-302340	60	1608170
Fagron	Ciclopirox olamine	14E21-M04	60	pending
Fagron	Ciclopirox olamine	13A16-N04	40	not necessary
Fagron	Ciclopirox olamine	16G26-B02-324884	40	not necessary
Fagron	Ciclopirox olamine	12B22-N03	40	not necessary
Fagron	Ciclopirox olamine	16G26-B02-324884	40	not necessary
Fagron	Ciclopirox olamine	14F13-B03-302340	60	1608170
Fagron	Ciclopirox olamine	16G26-B02-324884	40	not necessary
Fagron	Ciclopirox olamine	14E21-M04	60	pending
Fagron	Ciclosporin	13D26-N07	60	1508429
Fagron	Ciclosporin	10F22-N01	40	not necessary
Fagron	Ciclosporin	13D26-N07	40	1402057
Fagron	Ciclosporin	10G07-N03	40	not necessary
Fagron	Cinchocaine hydr...	12F25-N10	40	1401148
Fagron	Cinchocaine hydr...	13G24-N05	40	not necessary
Fagron	Cinnarizine	13H01-N07	40	1402306
Fagron	Cinnarizine	11L22-N13	40	not necessary
Fagron	Cinnarizine	11L22-N13	40	not necessary
Fagron	Cinnarizine	14D09-B01-294702	60	AR-16-FG-008930-01
Fagron	Ciprofloxacin hy...	14B25-B02	40	not necessary
Fagron	Ciprofloxacin hy...	15D07-B01-312864	40	not necessary
Fagron	Ciprofloxacin hy...	12B08-N03	40	1401421
Fagron	Citric acid mono...	12D26-N02	40	not necessary
Fagron	Citric acid, anh...	12F18-N03	40	not necessary
Fagron	Citric acid, anh...	13G24-N13	40	not necessary
Fagron	Clindamycin hydr...	13G24-N09	40	1412075
Fagron	Clioquinol	14I11-B03-300049	60	not necessary
Fagron	Clioquinol	13I26-N15	40	not necessary
Fagron	Clioquinol	14I11-B03-300049	60	not necessary
Fagron	Clobetasol-17-pr...	13E16-N01	40	not necessary
Fagron	Clonidine hydroc...	14H11-B04-311163	42	not required
Fagron	Clonidine hydroc...	13I25-B07	40	not necessary
Fagron	Clonidine hydroc...	14H11-B04-311163	60	not necessary
Fagron	Clonidine hydroc...	12A03-N04	40	1401149
Fagron	Clonidine hydroc...	14H11-B04-311163	60	not necessary
Fagron	Clonidine hydroc...	14H11-B04-311163	40	not necessary
Fagron	Clonidine hydroc...	14H11-B04-311163	40	not necessary
Fagron	Clotrimazole	14B05-B36	40	not necessary
Fagron	Clotrimazole	12I21-N01	40	not necessary
Fagron	Clotrimazole	14C04-B31	40	not necessary
Fagron	Cocaine hydrochl...	11G15-N02	40	not necessary
Fagron	Cocaine hydrochl...	11G28-N11	80	not necessary
Fagron	Cocaine hydrochl...	13I17-N02	40	0814I-01278
Fagron	Cocaine hydrochl...	13I17-N02	60	0814I-01278

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Fagron	Codeine monohydr...	12C05-N05	40	0814I-01280
Fagron	Codeine monohydr...	12C05-N05	60	0814I-01280
Fagron	Codeine phosphat...	15F09-B02-310520	60	1316Q-01279
Fagron	Codeine phosphat...	13C11-N10	60	0814I-01279
Fagron	Codeine phosphat...	13C11-N10	40	0814I-01279
Fagron	Codeine phosphat...	15F09-B02-310520	60	1316Q-01279
Fagron	Colistin sulfate	14E02-B03	40	1501654
Fagron	Colistin sulfate	16F03-B01-324216	40	not necessary
Fagron	Colistin sulfate	13G05-N01	40	not necessary
Fagron	Colistin sulfate	13G05-N01	40	not necessary
Fagron	Colistin sulfate	07I18-N05	40	AR-12-FG-008034-01
Fagron	Colophony	15186807	8	not required
Fagron	Copper orotate d...	CH-565313	40	pending
Fagron	Copper orotate d...	09F15-N01	40	pending
Fagron	Cyproterone acet...	13C11-N02	40	1501534
Fagron	Cyproterone acet...	11L22-N02	40	not necessary
Fagron	Cyproterone acet...	15I11-B01-322117	40	not necessary
Fagron	Cyproterone acet...	15I11-B01-322117	33	not necessary
Fagron	Cyproterone acet...	13J16-No4	23	1602654
Fagron	Cyproterone acet...	12B14-N06	40	1401557
Fagron	Cyproterone acet...	13J16-No4	75	1602654
Fagron	Deoxycholic acid	14A02-B32-303429	40	not necessary
Fagron	Deoxycholic acid	14A02-B32-303429	60	AR-16-FG-004648-01
Fagron	Dequalinium chlo...	11D29-N11	80	not necessary
Fagron	Dequalinium chlo...	13I26-N10	40	not necessary
Fagron	Dexamethasone	16F02-B05-324844	40	not necessary
Fagron	Dexamethasone 1:...	11G08-N02	40	not necessary
Fagron	Dexamphetamine s...	15H06-B04-313862	60	1316Q-03582
Fagron	Dexamphetamine s...	11F29N01	40	not necessary
Fagron	Dexamphetamine s...	13I23-N01	40	0814M-03582
Fagron	Dexamphetamine s...	15H06-B04-313862	60	1316Q-03582
Fagron	Dexamphetamine s...	13I23-N01	60	0814M-03582
Fagron	Dextromethorphan...	15D23-B07-308849	60	AR-16-FG-008487-02
Fagron	Dextromethorphan...	15D23-B07-308849	60	not necessary
Fagron	Dextromethorphan...	16A22-B03-321371	5	not required
Fagron	Dextromethorphan...	14H27-B04-299502	7	not required
Fagron	D-galactose	14H05-B09-310972	60	not necessary
Fagron	D-galactose	11F30-N08	40	not necessary
Fagron	D-galactose	13I13-B40-287993	60	AR-15-FG-008936-01
Fagron	Diclofenac sodium	13E03-N02	40	not necessary
Fagron	Diclofenac sodium	15D14-B04-307452	60	not necessary
Fagron	Diclofenac sodium	12L28-B05	40	not necessary
Fagron	Dihydrocodeine h...	13H19-N03	60	0914C-03065
Fagron	Dihydrocodeine h...	13H19-N03	40	0914C-03065
Fagron	Dihydrocodeine h...	14K26-B04-306298	60	1516I-03065
Fagron	Dihydrocodeine h...	14K26-B04-306298	60	1516I-03065
Fagron	Diltiazem hydroc...	16G20-B03-328133	40	not necessary
Fagron	Diltiazem hydroc...	16G20-B03-328133	40	not necessary
Fagron	Diltiazem hydroc...	14C12-B04	40	not necessary
Fagron	Diphenylcyclopro...	13I26-N12	35	not necessary
Fagron	Diphenylcyclopro...	16F02-B10-327812	2	not required
Fagron	Diphenylcyclopro...	13I26-N12	40	1504598
Fagron	Diphenylcyclopro...	15J12-B01-316620	60	9341
Fagron	Diphenylcyclopro...	12L17-N07	40	1407599
Fagron	Doxycycline hycl...	12G12-N15	40	1404233
Fagron	Doxycycline hycl...	16I06-B02-330167	40	not necessary
Fagron	Doxycycline hycl...	14K28-B05-312218	60	not necessary
Fagron	Doxycycline hycl...	12G12-N15	40	not necessary
Fagron	Doxylamine hydro...	700296	40	AR-12-FG-010234-01
Fagron	Doxylamine hydro...	15F01-B04-309189	40	AR-16-FG-011361-01

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Fagron	Doxylamine hydro...	14F03-B01-293498	60	1410524
Fagron	Drofenine hydroc...	13I09-N05	40	not necessary
Fagron	Drofenine hydroc...	15G01-B04-323028	40	not necessary
Fagron	Drofenine hydroc...	10K29	40	AR-12-FG-009284-01
Fagron	Econazole nitrate	11F09-N16	40	not necessary
Fagron	Econazole nitrate	12I06-B40-306925	40	not necessary
Fagron	Econazole nitrate	12I06-B40-306925	40	AR-16-FG-011359-01
Fagron	Econazole nitrate	12H08-N02	40	1312442
Fagron	Emulgade® 1000 NI	12H07-N06	40	not necessary
Fagron	Emulgade® 1000 NI	13C05-B40-289262	40	1408003
Fagron	Emulsifying ceto...	12C30-N01	40	not necessary
Fagron	Emulsifying ceto...	13L17-B05	40	1505070
Fagron	Emulsifying ceto...	11291113	40	not necessary
Fagron	Eosin yellowish	13I11-N03	40	not necessary
Fagron	Eosin yellowish	13F14-T01-017395	40	1705197
Fagron	Eosin yellowish	13F14-T01-017395	40	1608469
Fagron	Eosin yellowish	12A02-N09	40	1405095
Fagron	Eosin yellowish	15G01-T03-025958	60	1604114
Fagron	Eosin yellowish	13F14-T01-017395	40	not necessary
Fagron	Eosin yellowish	13F14-T01-017395	40	not necessary
Fagron	Eosin yellowish	12E25-N01	60	not necessary
Fagron	Eosin yellowish	13I11-N03	40	not necessary
Fagron	Epinephrine hydr...	12L22-N04	40	not necessary
Fagron	Ergotamine tartr...	15B16-B05-308418	45	9384
Fagron	Ergotamine tartr...	13H02-N01	100	not necessary
Fagron	Ergotamine tartr...	15B16-B05-308417	40	not necessary
Fagron	Ergotamine tartr...	13I24-B10-288650	60	not necessary
Fagron	Ergotamine tartr...	13I24-B10-288648	46	not necessary
Fagron	Ergotamine tartr...	15B16-B05-308418	45	9384
Fagron	Ergotamine tartr...	15B16-B05-308417	40	not necessary
Fagron	Erythromycin	14B06-B35-290872	43	not necessary
Fagron	Erythromycin	12E24-N04	40	not necessary
Fagron	Erythromycin	14B06-B35-290872	60	not necessary
Fagron	Erythromycin	pending	90	not necessary
Fagron	Erythromycin	pending	50	not necessary
Fagron	Estradiol benzoate	14B20-B02	40	not necessary
Fagron	Estradiol benzoate	12H02-N02	60	not necessary
Fagron	Estradiol benzoate	12H02-N02	40	not necessary
Fagron	Estradiol benzoate	14B20-B02	60	not necessary
Fagron	Estradiol hemihy...	13K22-N01	40	not necessary
Fagron	Estradiol hemihy...	11H23-N02	40	AR-15-FG-001193-01
Fagron	Estradiol hemihy...	14G24-B04-297404	55	not necessary
Fagron	Estradiol valerate	11G18-N04	40	AR-12-FG-012141-01
Fagron	Estradiol valerate	12D18-N02	40	not necessary
Fagron	Estradiol valerate	14E26-B02-294846	60	not necessary
Fagron	Estradiol valerate	12D18-N02	40	not necessary
Fagron	Estriol	16D15-B03-322957	40	not necessary
Fagron	Estriol	11J13-N07	40	1412180
Fagron	Estriol	16D15-B03-322957	40	not necessary
Fagron	Ethacridine lact...	13I24-N03	40	AR-15-FG-007011-02
Fagron	Ethacridine lact...	15A29-B02-306219	40	not necessary
Fagron	Ethinyl estradiol	14E15-B03-310270	43	not necessary
Fagron	Ethinyl estradiol	14E15-B03-310270	60	not necessary
Fagron	Ethinyl estradiol	14E15-B03-296049	56	1507109
Fagron	Ethinyl estradiol	14E15-B03-310270	60	not necessary
Fagron	Ethinyl estradiol	13I09-N04	40	1402058
Fagron	Ethinyl estradiol	14E15-B03-296049	55	1507109
Fagron	Ethinyl estradiol	14E15-B03-310270	60	not necessary
Fagron	Ethyl hydrogen f...	14C12-B07-292760	60	not necessary
Fagron	Ethyl hydrogen f...	14C12-B07-292760	60	1410436

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Supplier	Substance	Batch	Spectra	Certificate
Fagron	Ethyl hydrogen f...	13B25-N08	60	1411090
Fagron	Ethyl hydrogen f...	13G10-N01	60	1411091
Fagron	Ethyl hydrogen f...	14H27-B04-299502	6	not required
Fagron	Fampridine	14D11-B06-293750	60	not necessary
Fagron	Fampridine	16E25-B03-324097	40	not necessary
Fagron	Fampridine	16D11-B07-318220	40	AR-16-FG-011566-01
Fagron	Fampridine	13G26-N06	40	1402686
Fagron	Fampridine	16E25-B03-324097	40	not necessary
Fagron	Fentanyl citrate	11/19-N07	40	from supplier
Fagron	Fentanyl citrate	15F18-B01-525166	60	1316Q-03686
Fagron	Fentanyl citrate	13G30-N06	40	0814M-07678
Fagron	Fentanyl citrate	4511E-07449	80	from supplier
Fagron	Fentanyl citrate	15F18-B01-525166	60	1316Q-03686
Fagron	Fentanyl citrate	15F18-B01-525098	60	1316R-03686
Fagron	Fentanyl citrate	13G30-N06	60	0814M-07678
Fagron	Fentanyl citrate	15F18-B01-525098	60	1316R-03686
Fagron	Finasteride (for...	15J15-B02-320084	40	not necessary
Fagron	Finasteride (for...	14A16-B40-295980	45	not necessary
Fagron	Finasteride (for...	14A16-B40-295980	60	not necessary
Fagron	Finasteride (for...	15J15-B02-320084	40	not necessary
Fagron	Finasteride (for...	12A04-N09	40	not necessary
Fagron	Finasteride (for...	15J15-B02-320084	40	not necessary
Fagron	Finasteride (for...	13I03-N01	40	1411272
Fagron	Finasteride (for...	15J15-B02-320084	40	not necessary
Fagron	Fluocinolonaceto...	14L19-B04-307101	45	not necessary
Fagron	Fluocinolonaceto...	14L19-B04-307101	45	not necessary
Fagron	Folic acid	12G17-N05	40	not necessary
Fagron	Folic acid	10F03-N13	40	AR-12-FG-008059-01
Fagron	Fuchsine	11A05-N08	40	AR-12-FG-002852-01
Fagron	Furosemide	13A22-N08	40	1401379
Fagron	Furosemide	16B15-B06-322860	40	not necessary
Fagron	Furosemide	16B15-B06-322860	40	not necessary
Fagron	Furosemide	14K10-B02-301746	60	not necessary
Fagron	Furosemide	11B18-N04	40	not necessary
Fagron	Fusidic acid	12G04-N01	40	1401162
Fagron	Fusidic acid	13L13-B01-289513	60	not necessary
Fagron	Fusidic acid	14E01-B08-299791	60	not necessary
Fagron	Gentamicin sulfate	13I19-B05-286565	60	pending
Fagron	Gentamicin sulfate	12B21-N02	40	1411075
Fagron	Gentamicin sulfate	13I19-B05-286565	60	not necessary
Fagron	Gentamicin sulfate	14E08-B03-294848	60	not necessary
Fagron	Glucose monohydr...	11L19-N13	40	not necessary
Fagron	Glucose monohydr...	14B04-B01	40	not necessary
Fagron	Glutamic acid	11I30-N02	40	AR-15-FG-010446-02
Fagron	Glycerol monoste...	15E13-B03-305532	60	not necessary
Fagron	Glycerol monoste...	14C12-B40-292622	60	not necessary
Fagron	Glycerol monoste...	08J14-M04	31	not available
Fagron	Glycerol monoste...	11I15-N09	80	not necessary
Fagron	Glycerol monoste...	12B14-N10	40	pending
Fagron	Glycine	13G09-N03	40	not necessary
Fagron	Glycine	12G13-N04	40	1401163
Fagron	Glycopyrronium b...	16E09-B08-331027	40	20160530
Fagron	Gramicidin	15H18-B01-316269	40	not necessary
Fagron	Gramicidin	14C07-B06-292886	40	not necessary
Fagron	Gramicidin	11A27-N32	40	AR-12-FG-006258-01
Fagron	Gramicidin	13J15-N02	40	AR-15-FG-000813-01
Fagron	Griseofulvin	13D19-N03	40	1401419
Fagron	Griseofulvin	09B13-N08	40	not necessary
Fagron	Griseofulvin	14E16-B01-296834	60	not necessary
Fagron	Hard fat W35	15J08-B04-324959	40	not necessary

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Fagron	Hard fat W35	15A07-B12-302751	60	1604639
Fagron	Hard fat W35	15A07-B12-309245	60	not necessary
Fagron	Heavy alkaline b...	11C10-N06	40	AR-13-FG-008124-01
Fagron	Heparin sodium	12H30-N07	40	1404230
Fagron	Heparin sodium	12L20-B01-317990	40	not necessary
Fagron	Histamine dihydr...	14G16-B02-299175	100	not necessary
Fagron	Hydrochlorothiaz...	11E04-N10	40	AR-12-FG-008900-01
Fagron	Hydrochlorothiaz...	11L01-N02	40	not necessary
Fagron	Hydrochlorothiaz...	11L01-N02	40	not necessary
Fagron	Hydrocortisone	16A19-B06-320970	30	not necessary
Fagron	Hydrocortisone	16A19-B06-320970	40	not necessary
Fagron	Hydrocortisone	16A19-B06-320970	20	not required
Fagron	Hydrocortisone	16A19-B06-321981	30	not necessary
Fagron	Hydrocortisone	16A19-B06-321981	31	1702302
Fagron	Hydrocortisone	16A19-B06-321981	40	1702302
Fagron	Hydrocortisone	16H01-B01-326071	40	not necessary
Fagron	Hydrocortisone	16A19-B06-321981	40	not necessary
Fagron	Hydrocortisone	16H01-B01-326071	40	not necessary
Fagron	Hydrocortisone a...	15A30-B09-307090	60	not necessary
Fagron	Hydrocortisone a...	15A30-B09-307090	24	not necessary
Fagron	Hydrocortisone b...	14D23-B01-296716	48	not necessary
Fagron	Hydrocortisone b...	16F20-B05-323903	20	not necessary
Fagron	Hydrocortisone b...	13I26-N01	60	AR-15-FG-000944-01
Fagron	Hydrocortisone b...	13I26-N01	45	not necessary
Fagron	Hydrocortisone b...	13I26-N01	60	not necessary
Fagron	Hydrocortisone b...	14D23-B01-296716	60	not necessary
Fagron	Hydrocortisone b...	16F20-B05-323903	40	not necessary
Fagron	Hydromorphone hy...	13I25-N05	60	1516I-01334
Fagron	Hydromorphone hy...	13E16-N02	40	0914B-01334
Fagron	Hydromorphone hy...	13I25-N05	60	1516I-01334
Fagron	Hydromorphone hy...	13E16-N02	60	0914B-01334
Fagron	Hydroxyethylcell...	13H22-N11	40	not necessary
Fagron	Hyoscine butylbr...	15I09-B04-316806	60	not necessary
Fagron	Hyoscine butylbr...	15I09-B04_312245	60	not necessary
Fagron	Hyoscine butylbr...	12K01-N07	40	1406057
Fagron	Hyoscine butylbr...	16I20-B08-326942	12	not required
Fagron	Hyoscine butylbr...	12K01-N07	40	not necessary
Fagron	Hyoscine butylbr...	16I20-B08-326942	40	not necessary
Fagron	Hyoscine butylbr...	16I20-B08-326942	40	not necessary
Fagron	Hyoscine butylbr...	13K22-N03	40	not necessary
Fagron	Hypromellose 4000	11A27-N27	40	not necessary
Fagron	Hypromellose 4000	15G08-B14-314845	40	not necessary
Fagron	Indigo carmine I	12C16-N04	40	1509365
Fagron	Indigo carmine I	13K12-N01	40	1601099
Fagron	Iodoform	12L11-B41	40	not necessary
Fagron	Ipratropium brom...	15C04-B02-321674	40	not necessary
Fagron	Ipratropium brom...	12K01-N08	40	not necessary
Fagron	Ipratropium brom...	12C15-N01	40	1403675
Fagron	Isosorbide dinit...	12F08-N04	40	not necessary
Fagron	Isosorbide dinit...	15I10-B01-328577	40	20150922
Fagron	Isosorbide dinit...	10L09-N10	40	AR-12-FG-003632-01
Fagron	Isosorbide dinit...	13D15-N02	39	not necessary
Fagron	Isosorbide dinit...	15I10-B01-315217	40	not necessary
Fagron	Ketamine hydroch...	13H19-N01	40	8931
Fagron	Ketamine hydroch...	11A27-N13	40	not necessary
Fagron	Ketamine hydroch...	14I03-B02-311706	40	not necessary
Fagron	Ketamine hydroch...	15E07-B03-322164	40	not necessary
Fagron	Ketamine hydroch...	14I03-B02-303165	60	not necessary
Fagron	Ketoconazole	12A16-N06	40	not necessary
Fagron	Ketoconazole	16A26-B01-322982	40	not necessary

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Fagron	Ketoconazole	10J18-N07	40	not necessary
Fagron	Levocarnitine	15L04-B05-319229	40	20160121
Fagron	Levocarnitine	12H10-N07	40	not necessary
Fagron	Levocarnitine	14A20-B11-290728	60	AR-15-FG-016322-01
Fagron	Levocarnitine	14A20-B11-290728	60	AR-16-FG-005969-01
Fagron	Levocarnitine	11E18-N06	45	not necessary
Fagron	Levothyroxine so...	16G25-B99-329080	40	not necessary
Fagron	Levothyroxine so...	16G25-B99-324827	17	not required
Fagron	Levothyroxine so...	14E28-B05-306102	60	not necessary
Fagron	Levothyroxine so...	14E28-B05-306102	53	not necessary
Fagron	Levothyroxine so...	14E28-B05-298322	47	1506426
Fagron	Levothyroxine so...	16G25-B99-329080	24	not necessary
Fagron	Levothyroxine so...	14E28-B05-298322	30	1506426
Fagron	Lidocaine	13H05-N05	40	1401378
Fagron	L-isoleucine	11F30-N06	40	not necessary
Fagron	L-isoleucine	13E02-B01	40	not necessary
Fagron	L-isoleucine	13E02-B01-286930	40	1403154
Fagron	Lithium carbonate	08J06-N05	30	not necessary
Fagron	Lithium orotate ...	13J04-N01	40	1405616
Fagron	Lithium orotate ...	13I09-B04-290311	60	not necessary
Fagron	Lithium orotate ...	15F25-B01-315219	40	not necessary
Fagron	Lithium orotate ...	10F25-N01	40	not necessary
Fagron	L-leucine	13J09-N03	40	1402431
Fagron	L-leucine	09D27-N04	40	not necessary
Fagron	L-malic acid	15J09-B03-313987	40	not necessary
Fagron	L-malic acid	15J09-B03-313987	40	not necessary
Fagron	L-malic acid	15J09-B03-313987	60	9346
Fagron	L-proline	16J14-B01-327195	40	not necessary
Fagron	L-proline	15D13-B02-308152	60	1704059
Fagron	L-threonine	12H02-N03	40	1402580
Fagron	L-tryptophan	11G25-N02	40	not necessary
Fagron	L-tryptophan	14B05-B32-293485	60	AR-15-FG-009473-01
Fagron	L-tryptophan	10I28-806	40	AR-13-FG-000201-01
Fagron	L-tryptophan	09L28-N03	40	not necessary
Fagron	Lysine hydrochlo...	12B14-N08	40	pending
Fagron	Lysine hydrochlo...	14H20-B03-301894	60	AR-16-FG-005856-01
Fagron	Lysine hydrochlo...	15B09-B06-304170	60	not necessary
Fagron	Macrogol 4000	10H03-N03	30	not necessary
Fagron	Macrogol 4000	10L02-N05	30	not necessary
Fagron	Macrogol 4000	15B13-B04-305461	60	AR-16-FG-004020-01
Fagron	Macrogol 6000 po...	14C11-B01-296014	60	not necessary
Fagron	Macrogol 6000 po...	14J17-B01-309247	60	AR-16-FG-011486-01
Fagron	Macrogol 6000 po...	14J17-B01-309247	60	not necessary
Fagron	Macrogol 6000 po...	12A19-N02	40	AR-13-FG-008919-01
Fagron	Magnesium aspart...	15I24-B89-313231	60	AR-16-FG-008660-03
Fagron	Magnesium aspart...	15I24-B89-313231	60	not necessary
Fagron	Magnesium stearate	12D26-B03	40	1407310
Fagron	Magnesium stearate	12C29-N06	110	not necessary
Fagron	Mannitole	15A26-B01-305841	40	not necessary
Fagron	Mannitole	15A26-B01-305841	40	not necessary
Fagron	Melatonin	15G06-B03-315183	40	not necessary
Fagron	Melatonin	15G06-B03-323733	40	not necessary
Fagron	Melatonin	15G06-B03-323733	40	not necessary
Fagron	Melatonin	15G06-B03-315183	40	not necessary
Fagron	Mepivacaine hydr...	12A20-N12	40	1401555
Fagron	Mepivacaine hydr...	13L04-B07-297077	60	AR-15-FG-007876-01
Fagron	Mesalazine	15H13-B06-317177	60	not necessary
Fagron	Mesalazine	16I28-B02-327679	24	not required
Fagron	Mesalazine	16I28-B02-327679	40	not necessary
Fagron	Methacholine chl...	16L20-B01-329966	40	not necessary

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Fagron	Methacholine chl...	12F01-N04	60	1403251
Fagron	Methacholine chl...	16L20-B01-329968	40	not necessary
Fagron	Methacholine chl...	16L20-B01-329966	40	not necessary
Fagron	Methacholine chl...	16L20-B01-329968	40	not necessary
Fagron	Methadone hydroc...	15E29-B02-313098	60	1516B-02949
Fagron	Methadone hydroc...	13J24-B06	60	0914F-02949
Fagron	Methadone hydroc...	15E29-B02-313098	60	1516B-02949
Fagron	Methadone hydroc...	13J24-B06	40	0914F-02949
Fagron	Methionine	13L19-B36-295115	60	not necessary
Fagron	Methionine	11H05-N01	40	not necessary
Fagron	Methionine	12K01-N03	40	1402432
Fagron	Methoxsalen	11F21-N02	40	1402480
Fagron	Methoxsalen	15J15-B03-321321	40	not necessary
Fagron	Methyl cellulose	12D02-N09	40	1402447
Fagron	Methylprednisolone	13G19-N05	40	1402438
Fagron	Methylprednisolone	15I04-B05-311572	45	AR-16-FG-009102-01
Fagron	Methylprednisolone	12D17-N04	40	not necessary
Fagron	Methylprednisolone	15I04-B05-311572	45	not necessary
Fagron	Methylprednisolone	15I04-B05-311572	45	AR-16-FG-009102-01
Fagron	Methylprednisolone	15I04-B05-311572	45	not necessary
Fagron	Methylrosanilini...	10A11-N12	40	not necessary
Fagron	Methylrosanilini...	13G03-N11	40	not necessary
Fagron	Methylrosanilini...	12D19-N01	40	1402202
Fagron	Methylrosanilini...	13H28-N03	60	AR-15-FG-004742-01
Fagron	Methylrosanilini...	13H28-N03	60	not necessary
Fagron	Methylrosanilini...	12D19-N01	40	not necessary
Fagron	Metoprolol tartr...	16E31-B03-327107	40	not necessary
Fagron	Metoprolol tartr...	16E31-B03-327107	40	not necessary
Fagron	Metoprolol tartr...	16E31-B03-327107	40	not necessary
Fagron	Metoprolol tartr...	16E31-B03-327107	23	not required
Fagron	Metronidazole	13D10-N02	40	not necessary
Fagron	Metronidazole	16I19-B04-326155	40	not necessary
Fagron	Miconazole nitrate	13D22-N14	90	not necessary
Fagron	Midazolam	14C12-B31-313222	60	1516A-07393
Fagron	Midazolam	14C12-B31-313222	60	1516A-07393
Fagron	Midazolam	13K05-N01	60	0914E-07393
Fagron	Midazolam	13K05-N01	40	0914E-07393
Fagron	Midazolam hydroc...	14L23-B04-300245	60	1516A-03538
Fagron	Midazolam hydroc...	13E22-N09	60	0914F-03538
Fagron	Midazolam hydroc...	11F20-N01	80	from supplier
Fagron	Midazolam hydroc...	14L23-B04-300245	60	1516A-03538
Fagron	Midazolam hydroc...	13E22-N09	40	0914F-03538
Fagron	Mometasone furoa...	09F22-N05	40	F 2010 000 093
Fagron	Mometasone furoa...	16A20-B06-319750	30	not necessary
Fagron	Mometasone furoa...	13F17-N01	30	not necessary
Fagron	Mometasone furoa...	16A20-B06-319750	40	not necessary
Fagron	Mometasone furoa...	13F17-N01	44	not necessary
Fagron	Morphine hydroch...	13G08-N04	60	0914G-01879
Fagron	Morphine hydroch...	15I09-B08-312694	60	1416Q-01879
Fagron	Morphine hydroch...	15I09-B08-312694	60	1416Q-01879
Fagron	Morphine hydroch...	13G08-N04	40	0914G-01879
Fagron	Morphine sulfate	13J07-N04	40	0914G-07776
Fagron	Morphine sulfate	13J07-N04	60	0914G-07776
Fagron	Mupirocin calcium	12E02-N07	40	1401556
Fagron	Naloxone hydroch...	13D22-N07	40	1402059
Fagron	Naloxone hydroch...	13L12-B03	40	not necessary
Fagron	Naphazoline nitr...	12J08-B40-287904	60	not necessary
Fagron	Naphazoline nitr...	11K21-N24	39	AR-13-FG-001230-01
Fagron	Naphazoline nitr...	12L10-N03	40	not necessary
Fagron	Naproxen	16B04-B09-326261	40	not necessary

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Fagron	Naproxen	16B04-B09-321569	24	not required
Fagron	Naproxen	15F18-B03-315691	45	not necessary
Fagron	Naproxen	15F18-B03-309492	45	AR-16-FG-008486-02
Fagron	Neomycin sulfate	14C27-B05-302517	60	not necessary
Fagron	Neomycin sulfate	14C27-B05-302516	60	not necessary
Fagron	Neomycin sulfate	14C27-B05-302516	60	1604527
Fagron	Neomycin sulfate	14C27-B05-302517	60	not necessary
Fagron	Neomycin sulfate	11C13-N04	40	not necessary
Fagron	Nicotinamide	10L21-N09	40	AR-12-FG-009255-01
Fagron	Nicotinamide	L11060228	40	not necessary
Fagron	Nicotinic acid	L10070324	40	AR-13-FG-000246-01
Fagron	Nicotinic acid	14E01-B09-293947	60	AR-15-FG-008938-01
Fagron	Nitrofurantoin	12C30-N03	40	1401461
Fagron	Nitrofurantoin	15J15-B06-315225	60	not necessary
Fagron	Nitrofurantoin	14G25-B04-296785	60	pending
Fagron	Nitrofurantoin	13B28-N07	40	not necessary
Fagron	Nitrofurantoin	11I07-N11	40	not necessary
Fagron	Nitrofurantoin	15J15-B06-315225	60	AR-16-FG-003763-01
Fagron	Nitrofurantoin	12C30-N03	40	not necessary
Fagron	Nitrofurantoin	11K-21-N23	40	not necessary
Fagron	Norethisterone a...	11C10-N03	40	not necessary
Fagron	Norethisterone a...	14H29-B03-325225	40	not necessary
Fagron	Norethisterone a...	12L14-N03	40	1401558
Fagron	Noscapine hydroc...	12D04-B04-284297	40	not necessary
Fagron	Ofloxacin	13A17-N01	60	not necessary
Fagron	Ofloxacin	13A17-N01	40	1403155
Fagron	Ofloxacin	13A17-N01	60	pending
Fagron	Ofloxacin	15H19-B01-325226	40	20151006
Fagron	Ofloxacin	15H19-B01-312926	60	not necessary
Fagron	Ofloxacin	13A17-N01	40	not necessary
Fagron	Ofloxacin	15H19-B01-312926	60	not necessary
Fagron	Omeprazole	15K12-B02-314608	40	not necessary
Fagron	Omeprazole	15K12-B02-314608	40	not necessary
Fagron	Ornithine aspart...	14I24-B04-307758	40	not necessary
Fagron	Ornithine aspart...	14I24-B04-307758	40	not necessary
Fagron	Ornithine aspart...	14A20-B07-296093	45	1506279
Fagron	Ornithine hydroc...	13A03-N05	40	1403094
Fagron	Ornithine hydroc...	L11050156	40	not necessary
Fagron	Oxybuprocaine hy...	13D16-N12	40	1402060
Fagron	Oxybuprocaine hy...	15A26-B07-306787	60	not necessary
Fagron	Oxybuprocaine hy...	13J24-B07-295015	60	AR-15-FG-014812-02
Fagron	Oxybuprocaine hy...	13J24-B07-295015	60	AR-15-FG-014812-02
Fagron	Oxybuprocaine hy...	15A26-B07-306787	60	not necessary
Fagron	Oxybutynin hydro...	13H26-B03-290572	60	AR-15-FG-002173-01
Fagron	Oxybutynin hydro...	14I16-B03-312059	40	not necessary
Fagron	Oxybutynin hydro...	12D24-N07	80	1402305
Fagron	Oxybutynin hydro...	14A29-B09-293841	45	not necessary
Fagron	Oxytetracycline ...	13D08-N11	60	not necessary
Fagron	Oxytetracycline ...	15D29-B99-309066	60	not necessary
Fagron	Papaverine hydro...	11L05-N10	40	AR-13-FG-001229-01
Fagron	Paracetamol	13G23-N03	40	1402297
Fagron	Paracetamol	13D30-N03	40	1402271
Fagron	Paracetamol	13D16-N08	40	1402296
Fagron	Phenazone	13G16-B07-287172	40	AR-16-FG-011360-01
Fagron	Phenazone	13G16-B07-287172	40	not necessary
Fagron	Pheniramine male...	13D24-N04	40	not necessary
Fagron	Phenobarbital	15G07-B06-311718	60	1416Q-01040
Fagron	Phenobarbital	15G07-B06-311718	60	1416Q-01040
Fagron	Phenylephrine hy...	16A20-B07-317987	40	AR-16-FG-013385-01
Fagron	Phenylephrine hy...	14H13-B02-308438	60	AR-16-FG-008920-01

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Fagron	Phenylephrine hy...	12J19-B40-288254	40	not necessary
Fagron	Phenylephrine hy...	11L22-N10	40	not necessary
Fagron	Phenylephrine hy...	11L22-N10	40	1406058
Fagron	Phenytoin	15E12-B05-312661	45	not necessary
Fagron	Phenytoin	12I07-N02	40	not necessary
Fagron	Phenytoin	13G26-N02	40	1401380
Fagron	Phenytoin	16C14-B06-325086	40	not necessary
Fagron	Poloxamers 407	14G17-B03-296866	60	not necessary
Fagron	Polymyxin B sulf...	14F04-B03-296722	60	not necessary
Fagron	Polymyxin B sulf...	13C12-N02	40	1402691
Fagron	Polymyxin B sulf...	13E06-N12	40	pending
Fagron	Polymyxin B sulf...	13I13-N05	60	AR-15-FG-001516-01
Fagron	Polymyxin B sulf...	12G13-N05	40	1410347
Fagron	Polymyxin B sulf...	15H14-B01-314364	60	not necessary
Fagron	Povidone 25, sol...	12B07-N04	40	not necessary
Fagron	Povidone 25, sol...	13J21-N02	40	AR-16-FG-019116-01
Fagron	Povidone 25, sol...	12B07-N04	40	not necessary
Fagron	Povidone 25, sol...	12E22-N05	40	1411537
Fagron	Prasterone	15G14-B07-310827	60	not necessary
Fagron	Prasterone	10L22-N12	40	not necessary
Fagron	Prasterone	13J10-B02-287175	40	1404309
Fagron	Prasterone	10L22-N12	40	not necessary
Fagron	Prasterone	15G14-B07-310827	60	not necessary
Fagron	Prednicarbate, m...	12D27-N04	48	not necessary
Fagron	Prednicarbate, m...	12D27-N04	40	not necessary
Fagron	Prednicarbate, m...	14A27-B02-291256	36	AR-16-FG-011442-01
Fagron	Prednicarbate, m...	14A27-B02-291256	60	AR-16-FG-011442-01
Fagron	Prednicarbate, m...	10J04-N10	40	AR-12-FG-006257-01
Fagron	Prednisolon dihy...	14E07-B06-295251	60	not necessary
Fagron	Prednisolon dihy...	11C18-N11	40	AR-12-FG-002990-01
Fagron	Prednisolone 1:1...	11L13-N06	40	AR-13-FG-000835-01
Fagron	Prednisolone 1:1...	09I07-N09	40	not necessary
Fagron	Prednisolone ace...	12H14-N07	49	not necessary
Fagron	Prednisolone ace...	12H14-N07	40	not necessary
Fagron	Prednisolone hyd...	14G29-B07-304733	40	1701370
Fagron	Prednisolone hyd...	14G29-B07-304733	40	not necessary
Fagron	Prednisolone hyd...	12A20-N11	40	not necessary
Fagron	Prednisolone hyd...	13D16-N11	40	1509250
Fagron	Prednisolone, mi...	16C15-B01-320761	36	not necessary
Fagron	Prednisolone, mi...	09K05-N02	30	not necessary
Fagron	Prednisolone, mi...	13H07-B02-285592	60	not necessary
Fagron	Prednisolone, mi...	16C15-B01-320761	40	not necessary
Fagron	Prednisolone, mi...	14I10-B03-302263	40	not necessary
Fagron	Prednisolone, mi...	14I10-B03-302263	40	not necessary
Fagron	Prednisolone, mi...	1108055-04	30	pending
Fagron	Prednisolone, mi...	pending	30	not necessary
Fagron	Prednisolone, mi...	13H07-B02-285592	60	not necessary
Fagron	Prednisone	13C14-B40-289148	60	not necessary
Fagron	Pregnenolone	15B11-B07-310278	45	9338
Fagron	Prilocaine hydro...	13I02-N03	40	1403257
Fagron	Prilocaine hydro...	14H13-B03-297591	60	AR-15-FG-016323-01
Fagron	Prilocaine hydro...	13I02-N03	40	not necessary
Fagron	Prilocaine hydro...	14H13-B03-297591	60	AR-15-FG-016323-01
Fagron	Procaine hydroch...	08L11-N12	30	not available
Fagron	Procaine hydroch...	13F12-B40-301798	60	not necessary
Fagron	Progesterone, mi...	12A19-N04	40	AR-13-FG-009119-01
Fagron	Progesterone, mi...	16A20-B02-319103	40	not necessary
Fagron	Progesterone, mi...	16A20-B02-319103	40	not necessary
Fagron	Propranolol hydr...	15F16-B02-312979	40	not necessary
Fagron	Propranolol hydr...	13I13-N04	40	1402307

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Fagron	Propranolol hydr...	10C15-N15	41	not necessary
Fagron	Pyridoxine hydro...	L12010105	40	not necessary
Fagron	Pyridoxine hydro...	09I16-N14	40	AR-12-FG-008409-01
Fagron	Quinidine sulfat...	12E25-N03	40	not necessary
Fagron	Quinidine sulfat...	11J11-N02	40	AR-12-FG-008405-01
Fagron	Quinidine sulfat...	14I04-B09-304357	50	AR-15-FG-015409-01
Fagron	Quinidine sulfat...	12E25-N03	40	from supplier
Fagron	Quinidine sulfat...	16A06-B04-324954	40	not necessary
Fagron	Quinidine sulfat...	12J16-B03	39	1412323
Fagron	Quinidine sulfat...	12L04-N10	40	AR-14-FG-013249-01
Fagron	Quinine hydrochl...	13G10-N07	30	not necessary
Fagron	Quinine hydrochl...	12C29-N04	40	AR-14-FG-000696-01
Fagron	Quinine hydrochl...	13I30-B02-295630	60	AR-15-FG-015410-01
Fagron	Quinine sulfate ...	13J23-N03	40	1404401
Fagron	Quinine sulfate ...	14B27-B01	40	AR-16-FG-009455-01
Fagron	Quinoline yellow	12E24-N01	60	not necessary
Fagron	Resocrinol	13I18-B09-291533	45	not necessary
Fagron	Resocrinol	11A19-N09	40	not necessary
Fagron	Resocrinol	12G24-N04	40	1401462
Fagron	Riboflavin	10F23-N06	30	not necessary
Fagron	Riboflavin	16B18-B06-319026	40	AR-16-FG-014466-01
Fagron	Riboflavin	15G20-B13-310997	60	not necessary
Fagron	Riboflavin	13D02-N03	40	AR-15-FG-000733-01
Fagron	Riboflavin	10F23-N06	40	AR-12-FG-007203-01
Fagron	Riboflavin	13D02-N03	40	not necessary
Fagron	Riboflavin	11L29-N01	40	not necessary
Fagron	Riboflavin	11L29-N01	40	not necessary
Fagron	Riboflavin	pending	40	not necessary
Fagron	Riboflavin phosph...	13I26-N06	40	1403705
Fagron	Riboflavin phosph...	15J02-B03-313137	60	AR-16-FG-009883-02
Fagron	Riboflavin phosph...	14J31-B07-300519	45	not necessary
Fagron	Rice starch	09F02-N03	76	I 2009 000 344
Fagron	Rutoside trihydr...	13K12-B06-295483	60	not necessary
Fagron	Rutoside trihydr...	11I20-N02	40	AR-13-FG-000836-01
Fagron	Saccharin sodium	13I20-B06-291654	40	20131008
Fagron	Saccharin sodium	12E03-N01	40	AR-13-FG-000832-01
Fagron	Salbutamol sulfate	11L21-N10	40	AR-13-FG-001850-01
Fagron	Salbutamol sulfate	13K12-N02	60	not necessary
Fagron	Sildenafil citrate	13F24-N03	40	1402052
Fagron	Sildenafil citrate	13J15-N01	80	not necessary
Fagron	Silver protein	10F01-N13	50	not necessary
Fagron	Silver protein a...	18000970	40	not necessary
Fagron	Sodium alginate	14G22-B99-297091	60	not necessary
Fagron	Sodium alginate	11K17-N12	40	AR-13-FG-002913-01
Fagron	Sodium benzoate	10A08-N04	40	AR-13-FG-003105-01
Fagron	Sodium benzoate	15B16-B07-308570	40	not necessary
Fagron	Sodium citrate	14A13-B02-294541	60	not necessary
Fagron	Sodium citrate	12E04-N05	40	not necessary
Fagron	Sodium citrate	16F10-B01-326088	40	not necessary
Fagron	Sodium cromoglic...	12C09-N02	79	1401553
Fagron	Sodium cromoglic...	13G24-N04	40	not necessary
Fagron	Sodium cromoglic...	15C23-B01-307751	40	not necessary
Fagron	Sodium cromoglic...	15C23-B01-307751	40	not necessary
Fagron	Sodium edetate	10C10-N04	40	not necessary
Fagron	Sodium edetate	13E15-N05	40	1402193
Fagron	Sodium edetate	16F21-B02-325085	40	not necessary
Fagron	Sodium hydroxide...	12E02-N15	80	not necessary
Fagron	Sodium monohydro...	11E02-N14	40	not necessary
Fagron	Sodium monohydro...	09K02-N05	40	not necessary
Fagron	Sodium thiosulfa...	11612-N16	40	AR-13-FG-005752-01

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Fagron	Sorbitan stearate	14J07-B02-299399	60	AR-16-FG-004368-01
Fagron	Sorbitan stearate	11I26-N09	40	not necessary
Fagron	Spirolactone	15G22-B10-311159	40	not necessary
Fagron	Spirolactone	2294216E20-B06-322016	40	not necessary
Fagron	Sucrose	11B02-N12	40	not necessary
Fagron	SyrSpend® SF Alka	15H11-B04-311722	40	1701054
Fagron	SyrSpend® SF Alka	15H11-B04-311722	40	1608351
Fagron	SyrSpend® SF Alka	15H11-B04-311722	40	not necessary
Fagron	SyrSpend® SF pH4	15A26-B04-311720	40	not necessary
Fagron	SyrSpend® SF pH4	15A26-B04-305667	40	1701055
Fagron	SyrSpend® SF pH4	15A26-B04-311720	40	1608352
Fagron	Tannin	13H30-B03-287645	60	not necessary
Fagron	Tartaric acid	14G07-B02-308554	40	not necessary
Fagron	Tartaric acid	13I25-B01-294093	60	not necessary
Fagron	Taurine	10K15-N01	40	not necessary
Fagron	Testosterone	12F13-N02	40	not necessary
Fagron	Testosterone	15E18-B08-307772	60	not necessary
Fagron	Testosterone	15E18-B08-307772	54	not necessary
Fagron	Testosterone	10F14-N01	40	not necessary
Fagron	Tetracaine base	10H05-N08	40	not necessary
Fagron	Tetracaine base	12L19-N10	40	not necessary
Fagron	Tetracaine base	14A16-B04-292915	120	not necessary
Fagron	Tetracaine base	14A16-B04-292916	60	not necessary
Fagron	Tetracaine hydro...	15K04-B03-322151	40	not necessary
Fagron	Tetracaine hydro...	11A31-N15	40	not necessary
Fagron	Tetracycline hyd...	09C25-N10	30	I 2009 000 352
Fagron	Thalidomide	15A13-B01-312230	40	1704509
Fagron	Thalidomide	14E27B04295348	60	1503608
Fagron	Thiamine chlorid...	L11030345	40	AR-12-FG-010179-01
Fagron	Thiamine chlorid...	12D16-N02	40	1402585
Fagron	Thiamine nitrate	15A30-B06-309069	60	AR-16-FG-005855-01
Fagron	Thiomersal	11K01-N03	40	1401417
Fagron	Tobramycin sulfate	12G03-N03	40	1404541
Fagron	Tobramycin sulfate	15I17-B04-315697	45	not necessary
Fagron	Tranexamic acid	11J11-N05	40	AR-12-FG-010245-01
Fagron	Tranexamic acid	14L15-B06-3000036	60	AR-15-FG-008937-02
Fagron	Tranexamic acid	14C21-B08-292225	60	not necessary
Fagron	Tretinoin	15F01-B06-317884	40	not necessary
Fagron	Tretinoin	11A27-N01	40	not necessary
Fagron	Tretinoin	15F01-B06-317884	40	not necessary
Fagron	Triamcinolon, mi...	12A03-N09	40	not necessary
Fagron	Triamcinolon, mi...	12A03-N09	40	1403253
Fagron	Triamcinolon, mi...	12K07-N13	80	AR-15-FG-003373-01
Fagron	Triamcinolon, mi...	14B13-B30-316101	40	not necessary
Fagron	Triamcinolone ac...	13C13-N20	40	pending
Fagron	Triamcinolone ac...	12E15-N03	50	1412051
Fagron	Triamcinolone ac...	15C19-B06-308572	60	not necessary
Fagron	Triamcinolone ac...	15C19-B06-308572	19	not necessary
Fagron	Triamcinolone ac...	08K26-N05	40	from supplier
Fagron	Trometamol	13E22-N05	40	not necessary
Fagron	Tropicamide	16G19-B05-324829	40	not necessary
Fagron	Tropicamide	12C26-N02	40	not necessary
Fagron	Tropicamide	12C26-N02	40	not necessary
Fagron	Tropicamide	14D23-B04-293294	60	AR-15-FG-001641-01
Fagron	Tyrosine	13G24-N22	60	1411030
Fagron	Tyrothricin	12K14-N01	60	AR-15-FG-001172-01
Fagron	Tyrothricin	12K14-N01	60	AR-15-FG-001172-01
Fagron	Tyrothricin	14A23-B05-294146	60	AR-15-FG-015005-01
Fagron	Tyrothricin	14A23-B05-294146	46	AR-15-FG-015005-01
Fagron	Tyrothricin	12K14-N01	40	1509178

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Fagron	Ubidecarenone	16G26-B01-331742	40	not necessary
Fagron	Ubidecarenone	10H19-N10	40	not necessary
Fagron	Urea	14I18-B03-303581	60	not necessary
Fagron	Urea	12F25-N05	40	not necessary
Fagron	Urea	14I18-B03-303581	60	not necessary
Fagron	Uridine	11G07-N04	60	1402481
Fagron	Uridine	13K18-B31-288497	60	not necessary
Fagron	Valine	15A14-B07-307756	60	9198
Fagron	Vanillin	10L22-N17	40	AR-12-FG-002700-01
Fagron	Vanillin	13J01-N07	60	not necessary
Fagron	Vanillin	07F29-N07	40	not necessary
Fagron	Wheat starch	10015905	40	not available
Fagron	Xylitol	14G04-B04-303524	60	not necessary
Fagron	Xylitol	14G04-B04-298356	60	AR-15-FG-008046-01
Fagron	Xylometazoline h...	13I18-B03-295481	60	AR-15-FG-007785-01
Fagron	Xylometazoline h...	14K19-B05-305006	60	not necessary
Fagron	Xylometazoline h...	14K19-B05-305006	60	not necessary
Fagron	Xylose	13A31-B40-292395	60	not necessary
Fagron	Xylose	11L09-N11	40	AR-13-FG-008658-01
Fagron	Zinc orotate dihydrochloride	13J08-N05	40	not necessary
Fagron	Zinc orotate dihydrochloride	11K16-N10	40	not necessary
Falcento	D-galactose	007223PF3	40	not necessary
Flora Apothek...	Amygdalin	13121802	40	1405619
Flora Apothek...	Calcium colamine...	14384	40	from supplier
Flora Apothek...	Glycyrrhizic acid	11592	40	from supplier
Gatt-Koller	Caffeine citrate	1783/05140715	60	AR-15-FG-014994-01
Gatt-Koller	Caffeine citrate	4065/11164916	40	20161130
Gatt-Koller	Caffeine citrate	4065/11164916	40	not necessary
Gatt-Koller	Sulfogaiacol hydrochloride	4543/01170317	40	20170104
Gatt-Koller	Sulfogaiacol hydrochloride	1156/04152115	60	not necessary
GoCaps	Gelatine capsules	650-004	37	AR-12-FG-010178-01
Gonmisol	Lutein 20% powder	20120320	40	not necessary
Gustav-G. Die...	Chondroitin sulf...	pending	40	AR-14-FG-001918-01
Hebei Welcome...	Ascorbic acid	1107411106	40	not necessary
Hebei Welcome...	Methylcobalamin	03090510	40	not necessary
Hepart	Glucosamine sulf...	0909015	40	not necessary
Hepart	Inositol hexanic...	022901	40	not necessary
Hirundo	D-galactose	6878838-1209	40	not available
inalc	D-galactose	00372PF1	30	not necessary
inalc	D-ribose	P19/28/069	20	not necessary
Inresa	3,4-diaminopyrid...	33-15-IV-56P2749B	40	not necessary
Inresa	3,4-diaminopyrid...	0631350001	60	8899
Inresa	Amitriptyline hy...	005669/17112016	40	1705099
Inresa	Amitriptyline hy...	005669/06022017	40	not necessary
Inresa	Ketoprofen	F1300183	60	AR-15-FG-009572-01
Inresa	Ketoprofen	F1300182	60	not necessary
Inresa	Maltodextrin	R1600014	60	not necessary
Inresa	Maltodextrin	R1503902	60	AR-15-FG-008821-01
Inresa	Metoprolol tartr...	405005RIIC/29082016	40	not necessary
Inresa	Metoprolol tartr...	309905RII	60	AR-15-FG-006635-01
Inresa	Metoprolol tartr...	405005RII	60	not necessary
Inresa	Omeprazole	0PFP14017	60	1507407
Inresa	Omeprazole	0PFP14017	60	not necessary
Inresa	Omeprazole	0PFP14017	60	not necessary
Inresa	Sotalol hydrochl...	369-MC	40	not necessary
iphas	Cellulose capsules	53099151	37	not necessary
Kaden Biochem...	Antioxidant tea ...	0809	40	not necessary
Kaden Biochem...	D-galactose	013	40	not available
Kaden Biochem...	Quercetin	0608	40	not necessary
Kaden Biochem...	Rhodiola rosea e...	1009	40	pending

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Kaden Biochem. . .	Rhodiola rosea e. . .	1009	40	not necessary
Klenk	Ammi visnaga fruit	7120A120112	40	not necessary
Klenk	Buckwheat seed	7510A111011	60	pending
Klenk	Elder leaf, cut	2321B130221	60	not necessary
Klenk	Wheat starch	0104A141114	60	not necessary
Kräuter Schulte	Moroccan mint, cut	44201	40	pending
kreatin GmbH	Creatine	300331	50	not available
Lycored corp.	Caromix	CMX-PL-101112	40	not necessary
Lycored corp.	Caromix	CMX-LLCV-011401	40	not necessary
Merck KGaA	Benzoyl peroxide. . .	S7012241509	60	pending
Merck KGaA	Caesium carbonate	K36017440634	40	from supplier
mibe GmbH	Quinolinol sulfa. . .	100804	40	not necessary
mikroChem	D-(+)-mannose	A-04052011/R3878	40	not necessary
Molekular	Omeprazole	150908	40	not available
MP Biomedicals	Sulfanilamide	M3567	40	1402054
New Zealand P. . .	Deoxycholic acid	0411656	40	not necessary
New Zealand P. . .	Deoxycholic acid	0411656	40	AR-12-FG-009964-01
Otto Fischar	Talcum powder	90841/1	40	from supplier
Pharmorgana	Calcium orotate . . .	1000139407	40	AR-12-FG-008407-01
Pharmorgana	Glutamic acid	1000110813	40	AR-13-FG-001126-01
Pharmorgana	L-carnitine tart. . .	1000160672	40	not necessary
Pharmorgana	L-threonine	1000110839	40	AR-12-FG-008888-01
Pharmorgana	Magnesium orotat. . .	1000135398	40	AR-13-FG-003523-01
Pharmorgana	Potassium orotate	1000070227	40	AR-12-FG-009684-01
Pharmorgana	Sodium dichloroa. . .	1000150016	40	from supplier
Pharmorgana	Zinc orotate dihydrochloride	1000127154	40	not necessary
Phytochem	D-ribose	pending	40	not necessary
Phytochem	D-ribose	pending	60	not necessary
Roth	Bacitracin	194169081	60	not necessary
Roth	Brilliant blue R. . .	314217301	60	from supplier
Roth	Deoxycholic acid. . .	385212633	60	not necessary
Roth	Deoxycholic acid. . .	351172090	40	not necessary
Roth	Deoxycholic acid. . .	084181622	40	1405618
Roth	Deoxycholic acid. . .	154212633	60	not necessary
Roth	Esculin	155206581	60	pending
Roth	Theobromine, 99%	365191010	60	not necessary
Roth	Theobromine, 99%	145191010	60	AR-16-FG-002141-01
Roth	Trypan blue (C.I. . .	204209355	60	from supplier
Safic-Alcan	Amygdalin	11082101	40	from supplier
Safic-Alcan	Amygdalin, bitte. . .	BAE150902	60	from supplier
Safic-Alcan	Amygdalin, bitte. . .	BAE150902	60	from supplier
Sand 12 GmbH	D-ribose	L201211720	40	not necessary
sanherb	Griffonia seed e. . .	G-S100915	40	from supplier
Sigma-Aldrich	Bromelain	BCBM1589V	40	not necessary
Sigma-Aldrich	Bromothymol blue	MKBQ5404V	40	pending
softline	Maltodextrin	940PLV-643	40	not necessary
Spinnrad	Emulsan II SP	111300063	40	from supplier
Spinnrad	Hyaluronic acid . . .	051240342	40	1402304
Spinnrad	Inulin	2013481819	30	not necessary
Spinnrad	Inulin	1112300433	40	not necessary
Spinnrad	Wax, bleached	1012402004	40	not necessary
Th. Geyer	Amphetamine sulf. . .	67002	60	0814I-03361
Th. Geyer	Amphetamine sulf. . .	67002	40	not necessary
Th. Geyer	Amphetamine sulf. . .	67002	40	0814I-03361
Th. Geyer	Barbital sodium	60508	40	not available
Th. Geyer	Barbital sodium	60508	80	not necessary
Th. Geyer	Calcium colamine. . .	260EXP1016	40	from supplier
Th. Geyer	Calcium colamine. . .	260EXP1016	40	from supplier
Th. Geyer	Calcium colamine. . .	33299	60	from supplier
Th. Geyer	Cocaine hydrochl. . .	60145	40	0814K-01278

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Supplier	Substance	Batch	Spectra	Certificate
Th. Geyer	Cocaine hydrochl...	60145	60	0814K-01278
Th. Geyer	Codeine phosphat...	67038	40	0814K-01279
Th. Geyer	Codeine phosphat...	67038	60	0814K-01279
Th. Geyer	Dihydrocodeine h...	67035	60	0914D-03065
Th. Geyer	Dihydrocodeine h...	67035	40	0914D-03065
Th. Geyer	Methadone hydroc...	67047	60	0914H-02949
Th. Geyer	Methadone hydroc...	67033	40	0914G-02949
Th. Geyer	Methadone hydroc...	67047	40	0914H-02949
Th. Geyer	Methadone hydroc...	67033	60	0914G-02949
Th. Geyer	Mg-Ca-K colamine...	117EXP1016	40	from supplier
Th. Geyer	Mg-Ca-K colamine...	117EXP1016	40	from supplier
Th. Geyer	Mg-Ca-K colamine...	36985	60	from supplier
Th. Geyer	Mg-Ca-K colamine...	46816	40	from supplier
Th. Geyer	Morphine hydroch...	56311	40	not necessary
Th. Geyer	Morphine hydroch...	67036	40	0914H-01879
Th. Geyer	Morphine hydroch...	67036	60	0914H-01879
Th. Geyer	Phenobarbital	67045	60	0914F-01040
Th. Geyer	Phenobarbital	67045	40	0914F-01040
THC-Pharma GmbH	Cannabidiol	15-7221-80338	60	1316Q-07806
THC-Pharma GmbH	Cannabidiol	15-7221-80338	60	1316Q-07806
THC-Pharma GmbH	Cannabidiol	15-7221-80338	60	1316Q-07806
THC-Pharma GmbH	Cannabidiol	15-7221-80338	60	1316Q-07806
THC-Pharma GmbH	Cannabidiol	15-7221-80338	60	1316Q-07806
THC-Pharma GmbH	Cannabidiol	15-7221-80338	60	1316Q-07806
THC-Pharma GmbH	Cannabidiol	15-7221-80338	60	1316Q-07806
THC-Pharma GmbH	Cannabidiol	15-7221-80338	60	1316Q-07806
THC-Pharma GmbH	Cannabidiol	15-7221-80338	60	1316Q-07806
Vitatene	Betanat® 10% CWD	400101E10	40	not necessary
Vitaworld	D-(+)-mannose	5449324	40	not necessary
VMP Chemiekon...	D-(+)-glucosamin...	144212943	40	20140402
Wellmune	1.25-beta-glucan	10176-021	40	not necessary
pending	Bismuth gallath...	pending	40	AR-13-FG-000081-01
pending	Bromothymol blue	pending	40	not necessary
pending	Carmellose sodiu...	pending	40	not necessary
pending	Carmellose sodiu...	pending	40	not necessary
pending	Clobetasol propi...	pending	20	not necessary
pending	Cocoa butter	pending	40	not necessary
pending	Cocoa butter	pending	40	not necessary
pending	Gentamicin sulfate	pending	20	not necessary
pending	Histamine dihydr...	pending	40	not necessary
pending	Hydroxyethylcell...	pending	40	not necessary
pending	Kaolin, heavy	pending	50	not necessary
pending	Lidocaine	pending	40	not necessary
pending	Magnesium sulfat...	pending	40	not necessary
pending	Naloxone hydroch...	pending	40	not necessary
pending	Oxybuprocaine hy...	pending	40	not necessary
pending	Paracetamol	pending	40	not necessary
pending	Polymyxin B sulf...	pending	35	not necessary
pending	Potassium monohy...	pending	40	not necessary
pending	Quinoline yellow	pending	40	not necessary
pending	Sodium acetate t...	pending	40	not necessary
pending	Sodium butyrate	pending	40	not necessary
pending	Sodium propionate	pending	40	not necessary
pending	Sodium thiosulfa...	pending	40	AR-13-FG-001882-01
pending	Tretinoin	pending	40	not necessary
pending	Tropicamide	pending	40	AR-13-FG-008659-01

*The spectra were taken from a part of the same sample which the supplier used for its analysis (identity, purity, content). In this case the manufacturer certificates proof the identity and quality of the sample from those the spectra descend.

Appendix C: Additional validation samples (*Type C*)

Spectra for substances from the field which cannot be identified with this model also enter the validation. In this manner, it is verified that the model also rejects unknown substances. The spectra for these samples were recorded by *Apo-Ident* customers. They belong to *Type C*. The information provided by the customer regarding the manufacturer and batch number is taken over by *HiperScan GmbH* to a large extent unchecked.

The samples originate from 20 009 batches. From these, 52 338 spectra were recorded. The spectra recorded on independent samples of substances from the field which can be identified with the model are listed respectively in the section *Type C* for the individual substances and do not appear again elsewhere in this list.

Supplier	Substance	Batch	Spectra
A.H. 03.06.13 ek: 6,50EUR	Progesterone, microni...	1304014-01	1
A.H. 05.03.13 ek: 14,...	Prednisolone, microni...	12D30-N04	13
A.H. 27.05.13 ek: 6,75EUR	Male speedwell wort, ...	274239	1
A.H.D.	Tannin	13E27-N08	3
ACM / Herba	Macrogol 1500	KN-0826/10	1
ACM / Herba	Thymol	KNC1166J14	1
ACM / Phoenix	Theophylline-ethylene...	KNC0896J14	1
agron/Krieger	Betamethasone valerate	12B2B-N01	1
AHD	Citric acid, anhydrous	15063218	4
AHD	Clindamycin hydrochlo...	130402X5	1
AHD	Diclofenac sodium	15D14B04314450	1
AHD	Emulgade® 1000 NI	8073743	1
AHD	Glucose monohydrate	14102407	3
AHD	Hydrocortisone	13069507	7
AHD	Lactose monohydrate	13I23-B03-291114	1
AHD	Neomycin sulfate	14A31-B02-294698	4
AHD	Potassium sorbate	13065216	11
AHD	Prednisolone, microni...	121202103	2
AHD	Sodium hydrogen carbo...	1208008-01	11
AHD	Sodium monohydrogenph...	112345013	1
AHD 06.03.15 9,47	Triamcinolone acetoneide	14355102	12
AHD 22.07.14	Salicylic acid	134002	1
AHD, 11.09.2013	Erythromycin	12152210	1
AHD, 24.05.2013	Clobetasol propionate	12342307	2
AHD, 24.09.2013	Captopril	12339608	1
AHD, 30.10.2013	Camphor	747564	1
AHD,18.10.13	Wax, yellow	12367915	12
AHD/Fargon	Betamethasone valerate	14H28-Bo1-302865	1
ahd/lamotte	Bismuth gallath, basic	13718_b13_292058	1
ahd/lamotte	Cetostearyl alcohol	13210504	1
AHDE 20.08.15	Chloramphenicol	DY00912128	3
AHDE 9.09.2014	Hydrocortisone acetate	13291711	7
Aldrich	Sodium propionate	U02796-056	1
Alfred Galke	Alchemilla, cut	20921	1
Alfred Galke	Melissa leaf, cut	D-NI-1-9516-BC	1
Alfred Galke	Raspberry leaf, cut	19851	1
Alfred Galke	Shepherd's purse, cut	20591	1
Alfred Galke	Yarrow herb, cut	19861	1
Aliance am 10.03.2014	Tetracycline hydrochl...	1302012-02	17
aliance healthcare 5...	Estradiol benzoate	10118576	1
Alliance	Clobetasol propionate	12342305	1
Alliance	Hawthorn flower	13010403	1
Alliance	Heather, cut	255389	1
Alliance	Robert herb, cut	3951A110621	5
Alliance	Sodium monohydrogenph...	12256606	1
Alliance 19.12.12	Salicylic acid	11311906	7

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Supplier	Substance	Batch	Spectra
Alliance H.	Bismuth gallath, basic	15080602	1
Alliance H.	Miconazole nitrate	5137910	1
Alliance health	Fructose	14K17-B99-300913	4
Alliance Health	Aluminium potassium s...	13025401	3
Alliance Health	Tetracaine hydrochlor...	14C18-B03-293967	3
Alliance Health 11.01...	Hydrocortisone	1315505	1
Alliance Health 12.03...	Epinephrine hydrogen ...	12337805	2
Alliance Health 12.08...	Mannitole	1404034-01	24
Alliance Health 13.02...	Fructose	13C25-N03	1
Alliance Health 14.04...	Menthol	1305010-02	6
Alliance Health 17.01...	Clobetasol propionate	APB00547/112010C	1
Alliance Health 22.08...	Tetracycline hydrochl...	13201307	3
Alliance Health 27.05...	Estradiol hemihydrate	9A09-N26	1
Alliance Health 27.12...	Hypromellose 4000	13D03-N03	1
Alliance Health25.04...	Hydrocortisone	13341503	4
Alliance healthcare	Sodium monohydrogenph...	12L05-N04	2
Alliance Healthcare	Aluminium potassium s...	13025404	1
Alliance Healthcare	Betamethasone valerate	146019-02	1
Alliance Healthcare	Hydroquinone	12288503	5
Alliance Healthcare	Lactose monohydrate	10195101	1
Alliance Healthcare	Neomycin sulfate	1102043-03	9
Alliance Healthcare	Oxytetracycline hydro...	1205222-01	1
Alliance Healthcare	Polymyxin B sulfate	1202039-02	6
Alliance Healthcare	Progesterone, microni...	1206024-02	1
Alliance Healthcare	Salicylic acid	12036215	5
Alliance Healthcare	Spironolactone	12049119	1
Alliance Healthcare	Triclosan	13L-18-835	1
Alliance Healthcare/H...	Furosemide	12/13-N06	1
Amos Vital	Ascorbic acid	L1120454	1
Amos Vital	Ascorbic acid	L1230216	2
Amos Vital	Prednicarbate, micron...	13G05-N03	6
AmsVital GmbH	Ascorbic acid	L1220572	1
an	Blessed thistle, cut	13389704	1
an	Camphor	12344909	1
an	Gentian root, cut	6311b130305	1
an	Hawthorn leaf with fl...	1971A130930	2
an	Passionflower herb, cut	13141212	1
an	Raspberry leaf, cut	13086708	1
an	Roselle	14018101	1
an	Triamcinolone acetonide	1403009-01	2
an	Verbena herb, cut	12383007	1
Andor	Testosterone propionate	1109024-03TP	1
Andreas Imhof	Menthol	8052015	1
Antares	Metoprolol tartrate	1014Q-07308	1
Anzag	Acorus root, natural,...	276260	3
Anzag	Allantoin	10318315	1
Anzag	Aluminium chloride he...	1109025-01	6
Anzag	Aluminium potassium s...	1218441	1
Anzag	Betamethasone valerate	11K18N09	1
Anzag	Bismuth gallath, basic	12e16-n03	1
Anzag	Blessed thistle, cut	271946	1
Anzag	Calendula flower, cut	12221706	16
Anzag	Centaury, cut	2727897	1
Anzag	Cetyl palmitate 15	12018208	11
Anzag	Chloral hydrate	12C26M04	1
Anzag	Chlorhexidine diacetate	70558377	1
Anzag	Citric acid, anhydrous	10049713	1
Anzag	Citric acid, anhydrous	10049712	1
Anzag	Clobetasol propionate	11H10-N02	2
Anzag	Clotrimazole	15395610	1

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Supplier	Substance	Batch	Spectra
Anzag	Cocoa butter	12342004	2
Anzag	Damiana leaf, cut	11026606	1
Anzag	Dandelion herb with r...	274030	1
Anzag	Dexamethasone	1203032-01	5
Anzag	Dexamethasone	1233305	1
Anzag	Glycerol monostearate...	12180502	1
Anzag	Hydroxyethylcellulose...	1110024-03	26
Anzag	Lavender flower	1488A12803	1
Anzag	Lime flower, cut	7120	1
Anzag	Magnesium chloride he...	111201301	1
Anzag	Magnesium chloride he...	120802501	1
Anzag	Magnesium chloride he...	1304003-01	2
Anzag	Mannitole	111000902	1
Anzag	Marian thistle fruit	11126702	12
Anzag	Marshmallow root, pee...	11126702	1
Anzag	Meadowsweet herb, cut	10381602	5
Anzag	Metronidazole	11373512	1
Anzag	Miconazole nitrate	12243801	4
Anzag	Miconazole nitrate	12H10-N02	7
Anzag	Minoxidil	13E13-N10	23
Anzag	Mometasone furoate, m...	12J29N03	1
Anzag	Mullein flower, cut	11020714	3
Anzag	Neomycin sulfate	12H20-N04	1
Anzag	Nystatin	2902041-02	1
Anzag	Passionflower herb, cut	1207211669	1
Anzag	Polymyxin B sulfate	11K28-N07	1
Anzag	Prednisolone acetate	13A07N07	1
Anzag	Procaine hydrochloride	60998058	1
Anzag	Propyl-4-hydroxybenzo...	11373512	7
Anzag	Robert herb, cut	11147806	1
Anzag	Salicylic acid	12036208	3
Anzag	Star anise	10376403	5
Anzag	Sweet woodruff herb, ...	12103504	2
Anzag	Tartaric acid	13116308	6
Anzag	Trichloroacetic acid	12135204	5
Anzag	Trometamol	12113512	13
Anzag	White deadnettle herb...	11010606	1
Anzag	Xylometazoline hydroc...	12027911	1
Anzag	Yarrow herb, cut	11306307	1
Anzag / Noweda	Benzocaine	1321351	1
Anzag 03.05.2013	Caffeine	1205047-01	1
Anzag 04.04.13	Glucose monohydrate	12284206	9
Anzag 05.03.13	Fructose	12132301	3
Anzag 05.10.2012	Coltsfoot leaf, cut	121005	2
Anzag 07.03.2013	Lidocaine	12K13-N01	3
Anzag 07.11.12	Liquorice root, peeled	11034018	1
Anzag 07.11.12 ek: 2,48	Aluminium potassium s...	12184402	5
Anzag 09.07.2013	Metronidazole	1112028	1
Anzag 10.05 2010	Hawthorn leaf with fl...	1910E-01485	1
Anzag 10.05.13 ek:3,16EUR	Dandelion herb with r...	6611B130321	1
Anzag 10.08.2012	Melatonin	1204003-01	1
Anzag 11.08.2012	Glucose, anhydrous	11358823	2
Anzag 11.09.2012	Calcium hydroxide	112F08-N02	1
Anzag 12.03.13 ek: 4,...	St. John's wort, cut	11185608	2
Anzag 12.11.12 ek:11,04	Lime flower, cut	1611B120827	14
Anzag 12.11.12 ek:3,85	Yarrow herb, cut	11280513	1
Anzag 13.02.13 ek: 4,...	Magnesium sulfate, dr...	11265910	1
Anzag 13.03.13 ek: 6,...	Alchemilla, cut	12153309	18
anzag 13.09.13	Resocrinol	12K30N30	1
Anzag 13.12.12 ek: 5,...	Calendula flower, cut	1241C120321	5

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Supplier	Substance	Batch	Spectra
Anzag 14.12.12 ek:10,01	Hydrocortisone	1202032-01	5
Anzag 15.10.12	Prednisolone, microni...	12171303	4
Anzag 16.03.2013	Diphenhydramine hydro...	12J04-N02	2
Anzag 17.04.13 ek: 2,...	Tall golden rod, cut	4521A110816	2
Anzag 17.07.2012	Dithranole	APDT/365/2011D	3
Anzag 18.04.13 ek: 8...	Triclosan	12L06N01	1
Anzag 19.06.2012	Tetracaine hydrochlor...	10118218	2
Anzag 19.11.2012	Sodium benzoate	12158402	1
anzag 20.11.2013	Triclosan	12359114	3
Anzag 21.02.2013	Testosterone propionate	AP12E04-N01TP	3
Anzag 21.06.2013	Macrogol 1500	12324610	1
Anzag 22.02.13	Melatonin	1267121	2
ANZAG 23.07.14	Ketoconazole	13h09-n07	1
Anzag 23.11.12 ek:26,49	Erythromycin	1205035-01	16
Anzag 24.10.12	Butylated hydroxytolu...	12207004	1
Anzag 25.10.12 ek:3.16EUR	Dandelion herb with r...	6611B110131	1
Anzag 26.02.13 ek: 10...	Willowherb, small flo...	4721C120321	17
Anzag 27.12.12 ek:2,79	Blackberry leaf, cut	10136048	1
Anzag 28.08.2012	Bilberry fruit, dried	10273712	1
Anzag 28.08.2012	Daisy flower	11068306	1
Anzag 29.04.13 ek: 4,...	Magnesium sulfate hep...	12138518	4
Anzag 5.06.2012	Betamethasone, micron...	11K14-N02	1
Anzag 6.03.13 ek: 13...	Matricaria flower	12244805	4
anzag 8.8.13	Nettle leaf, cut	12183901	3
Anzag am 03.05.2012	Hypromellose 4000	11H26-N01	1
Anzag am 05.05.2012	Marshmallow root, pee...	11101809	1
anzag am 06.07.2012	Quinoline yellow	11089608	2
Anzag am 08.05.2012	Aluminium chloride he...	12C07-N01	15
Anzag am 08.05.2012	Motherwort herb, cut	10244612	1
ANZAG am 10.05.2012	Propranolol hydrochlo...	11L01-N05	5
ANZAG am 10.05.2012	Spironolactone	11042607	2
ANZAG am 12.06.2012	Citric acid, anhydrous	12043104	1
ANZAG am 15.05.2012	Aluminium potassium s...	1108049-01	4
ANZAG am 15.05.2012	Chlorhexidine diacetate	11204401	5
ANZAG am 15.05.2012	Ladys bedstraw herb,...	10375704	1
ANZAG am 15.05.2012	Tartaric acid	1108049-01	1
ANZAG am 16.05.2012	Erythromycin	11J06-N05	1
ANZAG am 16.05.2012	Tartaric acid	10180708	3
ANZAG am 22.05.2012	Aluminium potassium s...	12022401	2
ANZAG am 22.05.2012	Raspberry leaf, cut	2291A111124	3
ANZAG am 23.05.2012	Calcium hydrogen phos...	10135228	2
ANZAG am 23.05.2012	Common wormwood herb,...	11286301	1
ANZAG am 23.05.2012	Potassium hydrocarbon...	11105811	4
Anzag am 24.04.2012	Fumitory, cut	3881B100127	3
Anzag am 24.05.2012	Sodium hydrogen carbo...	11E31-N04	1
Anzag am 24.05.2012	Triclosan	11d20-n10	3
anzag am 29.06.2012	Triamcinolone acetonide	11267720	2
ANZAG am 30.04.2012	Melatonin	11267102	3
Anzag ek: 4,88EUR 26.09...	Male speedwell wort, ...	4661C120321	10
Anzag ek: 6,39 11,09...	Alchemilla, cut	11182806	8
Anzag ek:3,13EUR 15.09.12	Melilot herb, cut	11307605	5
Anzag ek:7.89EUR	Dequalinium chloride	11166204	3
Anzag EK7,91 08.08.12	Gentian root, cut	10263407	1
Anzag Kassel 270812	Diclofenac sodium	12A10-N03	1
Anzag, 10.12.2012	Urea	12F25-N05	5
Anzag, 12.12.2012	Urea		8
anzag, 14.11.2012	Ketoconazole	12171008	2
anzag, 14.12.2012	Sodium citrate	12110-N06	1
Anzag, 18.07.2012	Yarrow herb, cut	11106405	1
Anzag, 24.10.2012	Ephedrine hydrochloride	12017205	2

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Supplier	Substance	Batch	Spectra
Anzag, 24.10.2012	Miconazole nitrate	11324913	2
Anzag, 24.10.2012	Sodium edetate	12G25-W12	1
Anzag, 24.10.2012	Tannin	12A27-N01	2
Anzag, 24.10.2012	Yarrow herb, cut	270116	2
anzag, 26.11.2012	Triclosan	12145902	5
anzag, 31.10.2012	Lavender flower		1
anzag, 12.12.12	Sodium citrate	1049088	1
anzag, 13.12.12	Sodium cyclamate	12256803	2
anzag, 18.01.2013	Clotrimazole	12121-N04	3
anzag, 26.11.12	Ammonium hydrogen car...	12022308	5
Anzag/	Acorus root, peeled	6701B120817	5
Anzag/	Carmellose sodium (40...	21733	1
Anzag/	Dithranole	APDT3652011	1
Anzag/	Methyl-4-hydroxybenzo...	201111251	1
Anzag/	Robert herb, cut	11147813	5
Anzag/	Triclosan	5846205	5
Anzag/euRho	Tetracycline hydrochl...	1110029-01Nachprüfun	1
Anzag/Fragon	Lactose monohydrate	1005SLP	1
Anzag/Gehe Balance	Ascorbic acid	L1210232	1
Anzag/Henry Lamotte	Salicylic acid	1334018	1
Anzag/Henry Lamotte	Tretinoin	15078303	1
Anzag/Henry Lamotte	Urea	13-18-B03-303581	1
Anzag: 07.09.12 ek:4.01	Chlortetracycline hyd...	12C16-N01	1
apoident	Triamcinolone acetone	1508008-01	1
apo-ident	Minoxidil	Euro-OTC	1
Apomix / 11	Carbachol	12330703	1
Apomix / AHD	Testosterone propionate	40/14	1
Apomix/Noweda	Octenidine dihydrochl...	13166813	1
Apomix/Phönix	Triamcinolone acetone	13k15-b31-289029	2
Apotärze	Cetyl palmitate 15	1421371	1
Apotärze	Minoxidil	1304029-02	18
Apotärze	Prednicarbate, micron...	15181409	3
Apotheke Bühlau	Horse chestnut leaf, ...	100416	1
Apotheke in Steinkuhl	Trometamol	120104/11	1
Apotheke-SiO2-Mischung	Glucose, anhydrous	18/15	1
AppliChem	D-galactose	2K003859	1
AppliChem	Nicotinic acid	2Q006387	1
Ashland / Noweda	Hydroxyethylcellulose...	1304008-02	26
Ashland / Phoenix	Hydroxyethylcellulose...	13090020-01	1
Ashland Industries/An...	Hydroxyethylcellulose...	L1891	1
AUDOER/ Alliance Heal...	Triamcinolone acetone	APB0544/112020T	1
Audor Pharma	Alfatradiol	AP1404001-01A	1
Audor Pharma	Alfatradiol	AP5104925A	2
Audor Pharma	Alfatradiol	AP9374-3/11A	1
Audor Pharma	Alfatradiol	AP9374-2/10A	1
Audor Pharma	Alfatradiol	AP5104925A	2
Audor Pharma	Alfatradiol	APXP103DAA	1
Audor Pharma	Alfatradiol	AP514925A	1
Audor Pharma	Alfatradiol	AP5100461A	1
Audor Pharma	Alfatradiol	XP103DAA	1
Audor Pharma	Alfatradiol	APXPC0071A	4
Audor Pharma	Alfatradiol	AP1504015-01A	3
Audor Pharma	Alfatradiol	APXPC0071	1
Audor Pharma	Alfatradiol	AP5100461A	1
Audor Pharma	Alfatradiol	ap9374311a	1
Audor Pharma	Alfatradiol	APXP103DAA	1
Audor Pharma	Clobetasol propionate	APL/035/E-12C	1
Audor Pharma	Clobetasol propionate	APAPL/035/E-12C	2
Audor Pharma	Clobetasol propionate	APL035E12C	1
Audor Pharma	Clotrimazole	AP1306036-01C	1

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Supplier	Substance	Batch	Spectra
Audor Pharma	Cyproterone acetate	APCPA140201CP	1
Audor Pharma	Dithranole	DT/365/2011D	1
Audor Pharma	Dithranole	DT/351/2010D	1
Audor Pharma	Dithranole	APDT3902013D	1
Audor Pharma	Dithranole	APDT/351/2010D	1
Audor Pharma	Dithranole	APDT3752012D	3
Audor Pharma	Dithranole	ApDt/365/2011D	1
Audor Pharma	Dithranole	APDT/365/2011/	1
Audor Pharma	Dithranole	APDT/365/2011	4
Audor Pharma	Estriol	APL000036940E	1
Audor Pharma	Estriol	APL00036940E	2
Audor Pharma	Glycerol monostearate...	13232604	1
Audor Pharma	Hyaluronic acid sodiu...	AP30101505H	1
Audor Pharma	Hyaluronic acid sodiu...	30101204H	1
Audor Pharma	Hyaluronic acid sodiu...	AP30101204H	1
Audor Pharma	Hyaluronic acid sodiu...	AP30101305H	2
Audor Pharma	Hyaluronic acid sodiu...	AP30101404H	1
Audor Pharma	Hyaluronic acid sodiu...	AP30101404H	1
Audor Pharma	Methoxsalen	AP1011024-01M	1
Audor Pharma	Methoxsalen	1203009M	1
Audor Pharma	Methoxsalen	AP15244213M	2
Audor Pharma	Minoxidil	AP016/15M	1
Audor Pharma	Minoxidil	AP088/14M	1
Audor Pharma	Minoxidil	AP010/12M	6
Audor Pharma	Minoxidil	AP007/15M	1
Audor Pharma	Minoxidil	AP020/11M	5
Audor Pharma	Minoxidil	AP23601ML	1
Audor Pharma	Minoxidil	AP001/11M	1
Audor Pharma	Minoxidil	414E-02844	1
Audor Pharma	Minoxidil	AP008/14M	2
Audor Pharma	Minoxidil	AP001/16M	2
Audor Pharma	Mometasone furoate, m...	APMOM010/0116M	1
Audor Pharma	Naloxone hydrochlorid...	AP13501078N	1
Audor Pharma	Naphazoline nitrate	12I21-N05	1
Audor Pharma	Nystatin	11C07-N05N	1
Audor Pharma	Nystatin	AP11K11-N04N	1
Audor Pharma	Nystatin	AP11G07-N12N	1
Audor Pharma	Prasterone	AP11040002P	3
Audor Pharma	Prasterone	10050051/1P	1
Audor Pharma	Pregnenolone	AP10L10-M01P	1
Audor Pharma	Pregnenolone	AP1109007-01P	3
Audor Pharma	Progesterone, microni...	APC01-120708P	3
Audor Pharma	Progesterone, microni...	APC01-120613P	1
Audor Pharma	Progesterone, microni...	APC01-150708P	4
Audor Pharma	Progesterone, microni...	APC01-160201	1
Audor Pharma	Progesterone, microni...	APC01-150311P	1
Audor Pharma	Progesterone, microni...	APC01-141212P	1
Audor Pharma	Progesterone, microni...	C01-120708P	1
Audor Pharma	Progesterone, microni...	APC01-151114P	2
Audor Pharma	Progesterone, microni...	APC01-160201P	1
Audor Pharma	Testosterone propionate	AP12E04N01TP	2
Audor Pharma	Testosterone propionate	AP1109024-03TP	3
Audor Pharma	Testosterone propionate	AP-12J10-N08Tp	1
Audor Pharma	Testosterone propionate	APZTSP15003-MTP	1
Audor Pharma	Testosterone propionate	AP12J10-N08TP	1
Audor Pharma	Triamcinolone acetonide	APB0544/11101	2
Audor Pharma	Triamcinolone acetonide	APU0544/315240T	1
Audor Pharma	Triamcinolone acetonide	APB0544/111010T	3
Audor Pharma	Triamcinolone acetonide	APU0544/31524T	1
Audor Pharma	Triamcinolone acetonide	U0544/315240T	1

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Supplier	Substance	Batch	Spectra
Audor Pharma	Triamcinolone acetonide	APB0544/112020T	3
Audor Pharma	Ubidecarenone	APSZFQ150614C	1
Audor Pharma	Ubidecarenone	APSCFQ150614C	1
Audor Pharma	Uridine	AP30514U	4
Audor Pharma	Uridine	AP30514IB1500001AXU	3
Aurica	Birch leaf, cut	521205644	1
Aurica	Dandelion herb with r...	521200197	1
Aurica	Equisetum stem, cut	521205308	1
Aurica	Passionflower herb, cut	521300655	1
Aurica	Red clover flower	521203442	1
Aurica	Sage leaf, cut	521204613	1
Aurica	St. John's wort, cut	521202559	1
Aurica	Tall golden rod, cut	224133	2
Aurica	Tall golden rod, cut	521201267	1
Aurica	Thyme, rubbed	521207003	1
Aurica	Valerian root, cut	221838	1
Aurica / 11	Equisetum stem, cut	521302898	1
Aurica / 11	Juniper	521301390	1
Aurica / 11	Primrose flower	521301234	1
Aurica/ Noweda	St. John's wort, cut	521305424	1
Aurica/ Vedono	Peppermint leaf, cut	521301217	1
Aurica/ Anzag	Red clover flower	521303918	1
Aurica/ Gehe	Primrose flower	521203308	1
Aurica/ Phönix	Acorus root, peeled	150649	1
Aurica/ Phönix	Bean shells, cut	5052301	1
Aurica/ Phönix	Centaury, cut	520702152	1
Aurica/ Phönix	Male speedwell wort, ...	520708362	1
Aurica/ Phönix	Mistletoe, cut	6110801	1
Axyntis Group	Clioquinol	1301014-03	1
Azelis	Citric acid monohydrate	TH4120517	1
Bahnhof-Apotheke	Alchemilla, cut	17-121107	1
Bahnhof-Apotheke	Birch leaf, cut	18-120702	1
Bahnhof-Apotheke	Blackberry leaf, cut	18-120702	1
Bahnhof-Apotheke	Calendula flower, cut	17-121106	1
Bahnhof-Apotheke	Elder flower, rubbed	17-121112	1
Bahnhof-Apotheke	Hawthorn leaf with fl...	7-121011	1
Bahnhof-Apotheke	Hay flower	13-121105	1
Bahnhof-Apotheke	Lactose monohydrate	121119	2
Bahnhof-Apotheke	Lactose monohydrate	130115	1
Bahnhof-Apotheke	Lactose monohydrate	131112	1
Bahnhof-Apotheke	Lactose monohydrate	140310	2
Bahnhof-Apotheke	Lactose monohydrate	130729	1
Bahnhof-Apotheke	Lactose monohydrate	131023	1
Bahnhof-Apotheke	Lactose monohydrate	140206	2
Bahnhof-Apotheke	Lactose monohydrate	140630	1
Bahnhof-Apotheke	Lactose monohydrate	131127	2
Bahnhof-Apotheke	Lactose monohydrate	130925	1
Bahnhof-Apotheke	Lactose monohydrate	130911	1
Bahnhof-Apotheke	Lactose monohydrate	140220	1
Bahnhof-Apotheke	Lactose monohydrate	140113	3
Bahnhof-Apotheke	Lactose monohydrate	120614	1
Bahnhof-Apotheke	Lactose monohydrate	131218	2
Bahnhof-Apotheke	Lime flower, cut	7-121011	1
Bahnhof-Apotheke	Liquorice root, peeled	17-121112	1
Bahnhof-Apotheke	Lycopodium herb, cut	17-121112	1
Bahnhof-Apotheke	Male speedwell wort, ...	4-121002	1
Bahnhof-Apotheke	Matricaria flower	11-121024	1
Bahnhof-Apotheke	Melissa leaf, cut	17-120917	1
Bahnhof-Apotheke	Nettle leaf, cut	7-121109	1
Bahnhof-Apotheke	Raspberry leaf, cut	17-120917	1

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Supplier	Substance	Batch	Spectra
Bahnhof-Apotheke	Ribwort plantain, cut	7-121011	1
Bahnhof-Apotheke	Sage leaf, cut	3-121018	1
Bahnhof-Apotheke	Shepherd's purse, cut	4-120924	1
Bahnhof-Apotheke	St. John's wort, cut	4-121018	1
Bahnhof-Apotheke	Thyme, rubbed	17-121112	1
Bahnhof-Apotheke	Willowherb, small flo...	17-121107	1
Bahnhof-Apotheke	Wormwood herb, cut	17-121107	1
Bahnhof-Apotheke	Yarrow herb, cut	7-121011	1
Bahnhof-Apotheke Kemp...	Lactose monohydrate	120808	2
Bahnhofsapotheke	Lactose monohydrate	140401	1
BASF Grenzach GmbH/Ph...	Triclosan	13A11-No3	1
BASF Grenzach/Noweda	Triclosan	5900346	1
BASF/ Phoenix	Tetracaine hydrochlor...	6093547	3
BASF/Phönix	Betamethasone, micron...	ZBtBY13004	1
Bayer-Schering	Estradiol benzoate	1007037-03	1
Beiersdorf AG	Tartaric acid	11G19-N08	2
Beiersdorf AG	Urea	14/18-B03-303576	1
Berco	Maltodextrin	1os945-3	1
Berkel AHK	Calcium gluconate	14085407	2
Berkel AHK	Cetostearyl alcohol	14158201	3
Berkel AHK	Cetostearyl alcohol	13144105	3
Berkel AHK	Dexamethasone	13352309	3
Berkel AHK	Hydrocortisone	14115107	7
Berkel AHK	Potassium citrate	1438105	1
Berkel AHK	Prednisolone, microni...	13343115	1
Bestand	Hydrocortisone	911Q-01719	2
BimSiframGroup	Amygdalin	141120	1
BimSiframGroup	Amygdalin	13121802	2
BimSiframGroup	Amygdalin	STA130512002	2
Biogenerics	Amygdalin	NSIH03040	1
Bionorica	Ascorbyl palmitate	85532	1
Bionorica	Ascorbyl palmitate	82275	1
Bionorica	Ascorbyl palmitate	74736	1
Bionorica	Ascorbyl palmitate	74962	1
Bionorica /Phönix	Miconazole nitrate	12C13B03-279593	1
Bionorica/Noweda	Ascorbyl palmitate	77773	2
BLS	Phenobarbital	67056	1
BMP	alpha-tocopheryl acet...	2011052301	1
bohn	Walnut bark, cut	11325606	1
Bomba/AHD	Coltsfoot leaf, cut	276303	6
Bomba/AHD	Equisetum stem, cut	280449	4
Bomba/AHD	Tall golden rod, cut	279526	1
Bomba/AHD	Willow bark, cut	280362	1
Bombastus	Acorus root, natural,...	282476	1
Bombastus	Acorus root, natural,...	281692	1
Bombastus	Acorus root, natural,...	277958	1
Bombastus	Acorus root, natural,...	273214	1
Bombastus	Acorus root, natural,...	224114	1
Bombastus	Acorus root, peeled	269479	2
Bombastus	Acorus root, peeled	274159	1
Bombastus	Alchemilla alpina her...	278889	1
Bombastus	Alchemilla, cut	272021	5
Bombastus	Alchemilla, cut	263194	1
Bombastus	Alchemilla, cut	14066007	1
Bombastus	Alchemilla, cut	264972	2
Bombastus	Alchemilla, cut	276173	4
Bombastus	Alchemilla, cut	278889	3
Bombastus	Alchemilla, cut	279070	6
Bombastus	Alchemilla, cut	282032	2
Bombastus	Alchemilla, cut	521203995	1

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Supplier	Substance	Batch	Spectra
Bombastus	Alchemilla, cut	268287	1
Bombastus	Arnica flower	280672	1
Bombastus	Arnica flower	271581	1
Bombastus	Arnica flower	271668	1
Bombastus	Artichoke leaf, cut	8202213593	1
Bombastus	Bean shells, cut	278696	3
Bombastus	Bean shells, cut	278686	1
Bombastus	Bean shells, cut	272781	5
Bombastus	Bean shells, cut	270517	2
Bombastus	Bean shells, cut	282475	1
Bombastus	Bean shells, cut	240503	1
Bombastus	Bearberry leaf, cut	272297	8
Bombastus	Bearberry leaf, cut	275491	3
Bombastus	Betamethasone dipropi...	12B27N08	1
Bombastus	Betamethasone valerate	1510037-01	11
Bombastus	Betony herb, cut	12007205	2
Bombastus	Bilberry leaf, cut	283170	1
Bombastus	Bilberry leaf, cut	272176	3
Bombastus	Bilberry leaf, cut	273581	2
Bombastus	Birch leaf, cut	270743	1
Bombastus	Birch leaf, cut	269195	1
Bombastus	Birch leaf, cut	272385	1
Bombastus	Birch leaf, cut	267077	2
Bombastus	Birch leaf, cut	266623	2
Bombastus	Birch leaf, cut	278316	1
Bombastus	Birch leaf, cut	277822	2
Bombastus	Birch leaf, cut	274499	2
Bombastus	Birch leaf, cut	274498	1
Bombastus	Bitter orange peel, cut	267364	1
Bombastus	Blackberry leaf, cut	267122	3
Bombastus	Blackberry leaf, cut	261490	1
Bombastus	Blackberry leaf, cut	273668	3
Bombastus	Budesonide, micronized	21100M1A0021321	1
Bombastus	Calendula flower	279632	1
Bombastus	Calendula flower	268626	1
Bombastus	Calendula flower	280306	2
Bombastus	Calendula flower, cut	261332	1
Bombastus	Calendula flower, cut	253620	1
Bombastus	Calendula flower, cut	279632	1
Bombastus	Calendula flower, cut	270046	5
Bombastus	Calendula flower, cut	234997	1
Bombastus	Calendula flower, cut	207294	1
Bombastus	Calendula flower, cut	275813	1
Bombastus	Calendula flower, cut	275128	1
Bombastus	Carmellose sodium (40...	13104813	1
Bombastus	Centaury, cut	277598	3
Bombastus	Centaury, cut	262982	2
Bombastus	Centaury, cut	281951	1
Bombastus	Cetostearyl alcohol	295148	1
Bombastus	Cetostearyl alcohol	300132	1
Bombastus	Citric acid monohydrate	287593	1
Bombastus	Citric acid, anhydrous	13396502	4
Bombastus	Coltsfoot leaf, cut	269501	5
Bombastus	Coltsfoot leaf, cut	265856	1
Bombastus	Coltsfoot leaf, cut	232339	1
Bombastus	Coltsfoot leaf, cut	266691	2
Bombastus	Coltsfoot leaf, cut	272019	1
Bombastus	Coltsfoot leaf, cut	275489	3
Bombastus	Coltsfoot leaf, cut	274289	5
Bombastus	Coltsfoot leaf, cut	26693	1

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Supplier	Substance	Batch	Spectra
Bombastus	Coltsfoot leaf, cut	285263	3
Bombastus	Coltsfoot leaf, cut	281100	4
Bombastus	Coltsfoot leaf, cut	278758	7
Bombastus	Coltsfoot leaf, cut	277848	2
Bombastus	Coltsfoot leaf, cut	277131	1
Bombastus	Comfrey herb, cut	281531	1
Bombastus	Couch grass rhizome, ...	262175	1
Bombastus	Couch grass rhizome, ...	269196	1
Bombastus	Couch grass rhizome, ...	270500	2
Bombastus	Couch grass rhizome, ...	273387	4
Bombastus	Couch grass rhizome, ...	276777	4
Bombastus	Dandelion herb with r...	285264	1
Bombastus	Dandelion herb with r...	280363-3385310110	1
Bombastus	Dandelion herb with r...	282916	6
Bombastus	Dandelion herb with r...	271272	5
Bombastus	Dandelion herb with r...	275126	3
Bombastus	Dandelion herb with r...	264967	1
Bombastus	Dandelion herb with r...	280363	6
Bombastus	Dandelion herb with r...	290125	1
Bombastus	Dandelion herb with r...	277597	8
Bombastus	Dandelion herb with r...	274030	4
Bombastus	Dandelion herb withou...	11371906	2
Bombastus	Dandelion herb withou...	11371901	1
Bombastus	Elder flower, rubbed	265631	1
Bombastus	Elder flower, rubbed	279216	9
Bombastus	Elder flower, rubbed	269873	3
Bombastus	Elder flower, rubbed	275393	5
Bombastus	Emulsifying cetostear...	295148	1
Bombastus	Emulsifying cetostear...	265360	1
Bombastus	Emulsifying cetostear...	278418	1
Bombastus	Emulsifying cetostear...	288691	2
Bombastus	Emulsifying cetostear...	300132	1
Bombastus	Equisetum stem, cut	264101	1
Bombastus	Equisetum stem, cut	6011401	1
Bombastus	Equisetum stem, cut	265924	1
Bombastus	Equisetum stem, cut	268534	1
Bombastus	Equisetum stem, cut	269031	2
Bombastus	Equisetum stem, cut	264100	1
Bombastus	Equisetum stem, cut	272552	3
Bombastus	Equisetum stem, cut	273963	2
Bombastus	Equisetum stem, cut	274168	1
Bombastus	Equisetum stem, cut	274714	1
Bombastus	Equisetum stem, cut	275836	2
Bombastus	Equisetum stem, cut	275891	3
Bombastus	Equisetum stem, cut	279133	2
Bombastus	Equisetum stem, cut	280647	1
Bombastus	Ethacridine lactate m...	13/24-N03	1
Bombastus	Euphrasy herb, cut	274553	1
Bombastus	Euphrasy herb, cut	278108	2
Bombastus	Euphrasy herb, cut	277846	1
Bombastus	Frangula bark, cut	249091	2
Bombastus	Frangula bark, cut	268407	4
Bombastus	Frangula bark, cut	238812	1
Bombastus	Frangula bark, cut	270733	1
Bombastus	Frangula bark, cut	281284	1
Bombastus	Frangula bark, cut	278599	4
Bombastus	Frangula bark, cut	275998	4
Bombastus	Frangula bark, cut	273926	1
Bombastus	Hard fat in pastilles	263489	1
Bombastus	Hard fat in pastilles	273759	1

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Supplier	Substance	Batch	Spectra
Bombastus	Hard fat in pastilles	60084402	1
Bombastus	Hard fat in pastilles	287287	1
Bombastus	Hard fat in pastilles	293848	5
Bombastus	Hard fat in pastilles	302709	1
Bombastus	Hard fat in pastilles	277212	3
Bombastus	Hawthorn leaf with fl. ...	273287	1
Bombastus	Hawthorn leaf with fl. ...	267000	1
Bombastus	Hawthorn leaf with fl. ...	272177	1
Bombastus	Hawthorn leaf with fl. ...	272881	1
Bombastus	Hawthorn leaf with fl. ...	265197	2
Bombastus	Hawthorn leaf with fl. ...	264044	1
Bombastus	Hawthorn leaf with fl. ...	267551	2
Bombastus	Hawthorn leaf with fl. ...	267551	1
Bombastus	Hawthorn leaf with fl. ...	275310	1
Bombastus	Hawthorn leaf with fl. ...	278756	1
Bombastus	Hawthorn leaf with fl. ...	282220	1
Bombastus	Hawthorn leaf with fl. ...	275309	3
Bombastus	Heather, cut	278314	2
Bombastus	Hop strobile	276976	1
Bombastus	Hop strobile	10240403	1
Bombastus	Hop strobile	271870	2
Bombastus	Hop strobile	208502	1
Bombastus	Hop strobile	277821	2
Bombastus	Hydrocortisone	14I05-B02-300227	1
Bombastus	Hydrocortisone acetate	2712M01718	1
Bombastus	Lactose monohydrate	284321/0	1
Bombastus	Lactose monohydrate	293918/0	1
Bombastus	Lactose monohydrate	285087/0	1
Bombastus	Lactose monohydrate	286697/0	1
Bombastus	Lactose monohydrate	288015/0	1
Bombastus	Lactose monohydrate	288927	1
Bombastus	Lactose monohydrate	289238	1
Bombastus	Lactose monohydrate	294184/0	1
Bombastus	Lactose monohydrate	275194/0	1
Bombastus	Lactose monohydrate	274926	1
Bombastus	Lactose monohydrate	272680/0	1
Bombastus	Lactose monohydrate	291464	1
Bombastus	Lactose monohydrate	282648	1
Bombastus	Lactose monohydrate	275225/0	1
Bombastus	Lactose monohydrate	283992	2
Bombastus	Lactose monohydrate	295011/0	1
Bombastus	Lactose monohydrate	294897/0	1
Bombastus	Lactose monohydrate	282696/0	1
Bombastus	Ladys bedstraw herb, ...	3921B120130	1
Bombastus	Lavender flower	276799	2
Bombastus	Lavender flower	274469	1
Bombastus	Lavender flower	268831	2
Bombastus	Lime flower, cut	276813	1
Bombastus	Lime flower, cut	267693	1
Bombastus	Lime flower, cut	25091205	1
Bombastus	Lime flower, cut	268477	2
Bombastus	Lime flower, cut	281042	1
Bombastus	Lime flower, cut	275129	3
Bombastus	Lime flower, cut	266863	1
Bombastus	Lime flower, cut	280678	3
Bombastus	Liquorice root, peeled	270853	4
Bombastus	Liquorice root, peeled	268001	1
Bombastus	Liquorice root, natur. ...	2901312151	1
Bombastus	Liquorice root, natur. ...	5091305	1
Bombastus	Liquorice root, natur. ...	3713Q2151	1

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Supplier	Substance	Batch	Spectra
Bombastus	Liquorice root, natur...	284243	2
Bombastus	Liquorice root, natur...	903312151	1
Bombastus	Liquorice root, natur...	279409	2
Bombastus	Liquorice root, natur...	278377	4
Bombastus	Liquorice root, natur...	267852	2
Bombastus	Liquorice root, natur...	274921	3
Bombastus	Liquorice root, natur...	276468	4
Bombastus	Liquorice root, natur...	285185	2
Bombastus	Liquorice root, natur...	286584	1
Bombastus	Lovage root, cut	260409	1
Bombastus	Magnesium sulfate hep...	277424	1
Bombastus	Male speedwell wort, ...	278855	2
Bombastus	Male speedwell wort, ...	265564	1
Bombastus	Male speedwell wort, ...	269497	2
Bombastus	Male speedwell wort, ...	268409	1
Bombastus	Male speedwell wort, ...	274238	2
Bombastus	Mallow leaf, cut	273803	1
Bombastus	Mallow leaf, cut	272034	2
Bombastus	Mallow leaf, cut	278925	2
Bombastus	Mallow leaf, cut	267168	3
Bombastus	Marian thistle fruit	284420	1
Bombastus	Marian thistle fruit	282034	2
Bombastus	Marian thistle fruit	279405	3
Bombastus	Marian thistle fruit	278379	1
Bombastus	Marian thistle fruit	278378	1
Bombastus	Marian thistle fruit	277720	3
Bombastus	Marian thistle fruit	268192	1
Bombastus	Marian thistle fruit	296535	1
Bombastus	Marian thistle fruit	299483	1
Bombastus	Marian thistle fruit	7180A110209	4
Bombastus	Marian thistle fruit	262426	1
Bombastus	Marian thistle fruit	269499	1
Bombastus	Marian thistle fruit	296193	1
Bombastus	Marian thistle fruit	272575	1
Bombastus	Marshmallow root, nat...	270467	1
Bombastus	Marshmallow root, nat...	272130	2
Bombastus	Matricaria flower	268712	1
Bombastus	Matricaria flower	276307	1
Bombastus	Matricaria flower	271781	5
Bombastus	Matricaria flower	277959	6
Bombastus	Matricaria flower	277997	2
Bombastus	Matricaria flower	283710	2
Bombastus	Matricaria flower	266864	1
Bombastus	Matricaria flower	280143	2
Bombastus	Matricaria flower	278414	2
Bombastus	Matricaria flower	264997	1
Bombastus	Matricaria flower	268408	3
Bombastus	Matricaria flower	270579	4
Bombastus	Matricaria flower	273388	3
Bombastus	Matricaria flower	273667	2
Bombastus	Matricaria flower	274105	1
Bombastus	Matricaria flower	274106	3
Bombastus	Matricaria flower	274870	2
Bombastus	Matricaria flower	262364	2
Bombastus	Melissa leaf, cut	270044	2
Bombastus	Melissa leaf, cut	271499	3
Bombastus	Melissa leaf, cut	261988	1
Bombastus	Melissa leaf, cut	276579	1
Bombastus	Melissa leaf, cut	277722	2
Bombastus	Melissa leaf, cut	266341	1

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Supplier	Substance	Batch	Spectra
Bombastus	Melissa leaf, cut	273483	2
Bombastus	Melissa leaf, cut	273485	2
Bombastus	Methadone hydrochloride	14C24-B01-292858	6
Bombastus	Methadone hydrochloride	13266507	2
Bombastus	Mistletoe, cut	271782	5
Bombastus	Mistletoe, cut	265420	1
Bombastus	Mistletoe, cut	261875	2
Bombastus	Mistletoe, cut	277432	1
Bombastus	Mistletoe, cut	276155	2
Bombastus	Nettle leaf, cut	267854	1
Bombastus	Nettle leaf, cut	255763	1
Bombastus	Nettle leaf, cut	266638	1
Bombastus	Nettle leaf, cut	260739	1
Bombastus	Nettle leaf, cut	270987	4
Bombastus	Nettle leaf, cut	272303	3
Bombastus	Nettle leaf, cut	273229	2
Bombastus	Nettle leaf, cut	275763	4
Bombastus	Nettle leaf, cut	275848	3
Bombastus	Nettle leaf, cut	277950	3
Bombastus	Nettle leaf, cut	266099	1
Bombastus	Nettle leaf, cut	270854	6
Bombastus	Non-ionic emulsifying...	284009	2
Bombastus	Non-ionic emulsifying...	267575	3
Bombastus	Non-ionic emulsifying...	292319	1
Bombastus	Non-ionic emulsifying...	274059	1
Bombastus	Norethisterone acetate	13J08-N04	2
Bombastus	Peppermint leaf, cut	279914	2
Bombastus	Peppermint leaf, cut	281043	4
Bombastus	Peppermint leaf, cut	274021	2
Bombastus	Peppermint leaf, cut	275295	4
Bombastus	Peppermint leaf, cut	276172	1
Bombastus	Peppermint leaf, cut	246514	1
Bombastus	Peppermint leaf, cut	278585	1
Bombastus	Peppermint leaf, cut	271499	1
Bombastus	Peppermint leaf, cut	281282	3
Bombastus	Peppermint leaf, cut	278201	2
Bombastus	Peppermint leaf, cut	278679	3
Bombastus	Peppermint leaf, cut	279214	1
Bombastus	Peppermint leaf, cut	279634	2
Bombastus	Peppermint leaf, cut	282509	1
Bombastus	Peppermint leaf, cut	285914	1
Bombastus	Peppermint leaf, cut	275492	1
Bombastus	Peppermint leaf, cut	255719	1
Bombastus	Peppermint leaf, cut	266772	2
Bombastus	Peppermint leaf, cut	267998	4
Bombastus	Peppermint leaf, cut	272956	6
Bombastus	Peppermint leaf, cut	273843	2
Bombastus	Potato starch	12214303	2
Bombastus	Prednisolone acetate	2255	1
Bombastus	Prednisolone, microni...	1501047-02	1
Bombastus	Raspberry leaf, cut	265844	1
Bombastus	Raspberry leaf, cut	273778	1
Bombastus	Raspberry leaf, cut	248586	1
Bombastus	Raspberry leaf, cut	273668	4
Bombastus	Raspberry leaf, cut	263050	6
Bombastus	Raspberry leaf, cut	273143	2
Bombastus	Raspberry leaf, cut	269870	1
Bombastus	Raspberry leaf, cut	279686	3
Bombastus	Raspberry leaf, cut	274507	1
Bombastus	Raspberry leaf, cut	273710	7

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Supplier	Substance	Batch	Spectra
Bombastus	Raspberry leaf, cut	272898	1
Bombastus	Raspberry leaf, cut	262836	2
Bombastus	Restharrow root, cut	274421	3
Bombastus	Restharrow root, cut	283708	1
Bombastus	Ribwort plantain, cut	278038	1
Bombastus	Ribwort plantain, cut	279569	1
Bombastus	Ribwort plantain, cut	275479	5
Bombastus	Ribwort plantain, cut	270016	4
Bombastus	Ribwort plantain, cut	263401	2
Bombastus	Rose hips peel, cut	269033	1
Bombastus	Rose hips peel, cut	257166	1
Bombastus	Sage leaf, cut	270115	1
Bombastus	Sage leaf, cut	264390	1
Bombastus	Sage leaf, cut	277512	1
Bombastus	Sage leaf, cut	255381	1
Bombastus	Sage leaf, cut	279929	6
Bombastus	Sage leaf, cut	275330	2
Bombastus	Sage leaf, cut	271253	1
Bombastus	Senna leaf, cut	273547	3
Bombastus	Senna leaf, cut	280448	2
Bombastus	Senna leaf, cut	277575	4
Bombastus	Senna leaf, cut	271828	1
Bombastus	Senna leaf, cut	273474	1
Bombastus	Senna leaf, cut	275285	3
Bombastus	Senna leaf, cut	280008	2
Bombastus	Senna leaf, cut	278109	1
Bombastus	Senna leaf, cut	280581	2
Bombastus	Senna leaf, cut	266901	1
Bombastus	Shepherd's purse, cut	284136	1
Bombastus	Shepherd's purse, cut	269594	6
Bombastus	Shepherd's purse, cut	262668	1
Bombastus	Shepherd's purse, cut	278856	3
Bombastus	Shepherd's purse, cut	269977	1
Bombastus	Shepherd's purse, cut	12345	2
Bombastus	Sodium citrate	13089334	2
Bombastus	Sodium citrate	73155098	1
Bombastus	Sodium monohydrogenph. ...	11H04-N06	1
Bombastus	St. John's wort, cut	268834	2
Bombastus	St. John's wort, cut	268834	2
Bombastus	St. John's wort, cut	281530	1
Bombastus	St. John's wort, cut	275106	6
Bombastus	St. John's wort, cut	265761	1
Bombastus	Tall golden rod, cut	274290	4
Bombastus	Tall golden rod, cut	261756	1
Bombastus	Tall golden rod, cut	209974	1
Bombastus	Tall golden rod, cut	269563	2
Bombastus	Tall golden rod, cut	278697	5
Bombastus	Tall golden rod, cut	270047	5
Bombastus	Tall golden rod, cut	271460	1
Bombastus	Tall golden rod, cut	271459	1
Bombastus	Tetracycline hydrochl. ...	1412007-01	9
Bombastus	Thyme, rubbed	277466	1
Bombastus	Thyme, rubbed	276508	2
Bombastus	Thyme, rubbed	243485	1
Bombastus	Thyme, rubbed	268912	1
Bombastus	Thyme, rubbed	280782	1
Bombastus	Thyme, rubbed	267394	1
Bombastus	Thyme, rubbed	277996	3
Bombastus	Thyme, rubbed	278309	2
Bombastus	Thyme, rubbed	275877	1

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Supplier	Substance	Batch	Spectra
Bombastus	Triamcinolone acetoneide	140704401	1
Bombastus	Valerian root, cut	274722	1
Bombastus	Valerian root, cut	276645	2
Bombastus	Valerian root, cut	274561	1
Bombastus	Valerian root, cut	268057	1
Bombastus	Valerian root, cut	268458	2
Bombastus	Valerian root, cut	6641B110317	3
Bombastus	Valerian root, cut	267863	1
Bombastus	Wax, yellow	279999	1
Bombastus	Wax, yellow	285109	1
Bombastus	Wax, yellow	267702	2
Bombastus	Wax, yellow	270682	3
Bombastus	Wild pansy, cut	280890	1
Bombastus	Wild pansy, cut	270869	2
Bombastus	Wild pansy, cut	274237	2
Bombastus	Wild pansy, cut	220232	1
Bombastus	Wild pansy, cut	276259	2
Bombastus	Wild pansy, cut	278106	1
Bombastus	Wild pansy, cut	279314	2
Bombastus	Wild pansy, cut	27132	1
Bombastus	Wild pansy, cut	272832	2
Bombastus	Wild pansy, cut	282661	1
Bombastus	Willow bark, cut	270886	2
Bombastus	Willow bark, cut	275052	1
Bombastus	Willow bark, cut	251385	1
Bombastus	Willow bark, cut	267927	1
Bombastus	Willow bark, cut	278458	3
Bombastus	Willow bark, cut	277847	1
Bombastus	Willow bark, cut	277005	3
Bombastus	Willow bark, cut	265845	1
Bombastus	Willow bark, cut	161594	1
Bombastus	Willow bark, cut	261615	1
Bombastus	Willow bark, cut	288869	1
Bombastus	Willow bark, cut	282270	3
Bombastus	Willow bark, cut	281533	2
Bombastus	Willow bark, cut	292710	1
Bombastus	Willowherb, small flo...	281846	2
Bombastus	Willowherb, small flo...	278235	1
Bombastus	Willowherb, small flo...	268836	3
Bombastus	Willowherb, small flo...	259546	2
Bombastus	Wormwood herb, cut	265417	3
Bombastus	Wormwood herb, cut	281000	1
Bombastus	Wormwood herb, cut	221868	1
Bombastus	Yarrow herb, cut	268179	2
Bombastus	Yarrow herb, cut	276498	4
Bombastus	Yarrow herb, cut	277430	2
Bombastus	Yarrow herb, cut	278315	5
Bombastus	Yarrow herb, cut	15006702	2
Bombastus	Yarrow herb, cut	273273	2
Bombastus	Yarrow herb, cut	274284	3
Bombastus	Yarrow herb, cut	274610	2
Bombastus	Yarrow herb, cut	275964	1
Bombastus	Yarrow herb, cut	279023	3
Burton Feingold	Calcium ascorbate	L008415	1
Caello	Sodium sulfate decahy...	11294603	2
Cactus Botanics	Melatonin	140610-C061	1
Cae	Bean shells, cut	Int.Ch.313011	1
Caello/Phönix	Glucose monohydrate	15095601	14
Caelo	3.4-diaminopyridine	14H11-B06-298447	2
Caelo	3.4-diaminopyridine	13f05-n01	1

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Supplier	Substance	Batch	Spectra
Caelo	5-aminolevulinic acid. ...	13017402	1
Caelo	5-aminolevulinic acid. ...	12093208	1
Caelo	5-aminolevulinic acid. ...	12093205	2
Caelo	5-aminolevulinic acid. ...	11355616	1
Caelo	5-aminolevulinic acid. ...	15254803	1
Caelo	5-aminolevulinic acid. ...	14145007	1
Caelo	5-aminolevulinic acid. ...	14145003	2
Caelo	5-aminolevulinic acid. ...	13017403	1
Caelo	5-aminolevulinic acid. ...	13K27-N02	3
Caelo	Abrotani herb, cut	2091305	1
Caelo	Acetylcysteine	12299004	1
Caelo	Acetylcysteine	12299021	1
Caelo	Acetylcysteine	12299002	1
Caelo	Acetylcysteine	10230713	1
Caelo	Acetylcysteine	10230708	1
Caelo	Acetylcysteine	15114013	1
Caelo	Acetylsalicylic acid	12212233	1
Caelo	Acetylsalicylic acid	12212230	1
Caelo	Acetylsalicylic acid	12212219	1
Caelo	Acetylsalicylic acid	12212203	1
Caelo	Acetylsalicylic acid	1212005-01	4
Caelo	Acetylsalicylic acid	11257126	1
Caelo	Acetylsalicylic acid	12212234	2
Caelo	Acetylsalicylic acid	12212223	4
Caelo	Acetylsalicylic acid	15081308	1
Caelo	Acetylsalicylic acid	3512N-01012	1
Caelo	Acetylsalicylic acid	13324119	1
Caelo	Acetylsalicylic acid	13324118	2
Caelo	Acetylsalicylic acid	12212236	3
Caelo	Acetylsalicylic acid	11239703	1
Caelo	Acetylsalicylic acid	15081304	1
Caelo	Acetylsalicylic acid	14250101	1
Caelo	Acetylsalicylic acid	14189603	1
Caelo	Acetylsalicylic acid	13324116	1
Caelo	Acetylsalicylic acid	13324109	2
Caelo	Acetylsalicylic acid	13297511	1
Caelo	Acetylsalicylic acid	15334907	3
Caelo	Acetylsalicylic acid	15122701	1
Caelo	Acetylsalicylic acid	15334914	1
Caelo	Acetylsalicylic acid	15334902	1
Caelo	Acorus root, natural, ...	12066501	1
Caelo	Acorus root, natural, ...	13127801	1
Caelo	Acorus root, natural, ...	284875	2
Caelo	Acorus root, peeled	12275602	6
Caelo	Acorus root, peeled	12239008	1
Caelo	Acorus root, peeled	12066502	1
Caelo	Acorus root, peeled	12066501	3
Caelo	Acorus root, peeled	12056704	1
Caelo	Acorus root, peeled	12056703	1
Caelo	Acorus root, peeled	8031306	1
Caelo	Acorus root, peeled	7061302	1
Caelo	Acorus root, peeled	12275604-3544411013	1
Caelo	Acorus root, peeled	13101306	1
Caelo	Acorus root, peeled	28121205	1
Caelo	Acorus root, peeled	2913M-02173	1
Caelo	Acorus root, peeled	15061202	1
Caelo	Acorus root, peeled	12295904	1
Caelo	Acorus root, peeled	12295901	2
Caelo	Acorus root, peeled	12056701	1
Caelo	Acorus root, peeled	12295902	3

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Supplier	Substance	Batch	Spectra
Caelo	Acorus root, peeled	11054204	1
Caelo	Acorus root, peeled	18011301	1
Caelo	Acorus root, peeled	2211a-02173	1
Caelo	Acorus root, peeled	24081203	1
Caelo	Acorus root, peeled	241013010	1
Caelo	Agrimony, cut	9300110	1
Caelo	Agrimony, cut	11374004	8
Caelo	Agrimony, cut	10325501	1
Caelo	Agrimony, cut	10325505	2
Caelo	Agrimony, cut	10325502	2
Caelo	Agrimony, cut	10325504	1
Caelo	Agrimony, cut	9300107	1
Caelo	Agrimony, cut	10325503	5
Caelo	Agrimony, cut	11374002	4
Caelo	Agrimony, cut	3481-A-110324	1
Caelo	Agrimony, cut	21081205	1
Caelo	Agrimony, cut	12382903	1
Caelo	Agrimony, cut	12382901	3
Caelo	Agrimony, cut	11374006	8
Caelo	Agrimony, cut	1137407	1
Caelo	Agrimony, cut	11374005	2
Caelo	Agrimony, cut	12382905	5
Caelo	Alchemilla alpina her. ...	12147206	3
Caelo	Alchemilla alpina her. ...	12147203	1
Caelo	Alchemilla alpina her. ...	12147202	3
Caelo	Alchemilla alpina her. ...	1214204	1
Caelo	Alchemilla alpina her. ...	12147205	2
Caelo	Alchemilla alpina her. ...	11063608	1
Caelo	Alchemilla alpina her. ...	12147203-3470312131	1
Caelo	Alchemilla, cut	11182804	5
Caelo	Alchemilla, cut	9346207	1
Caelo	Alchemilla, cut	11002907	4
Caelo	Alchemilla, cut	1100912	1
Caelo	Alchemilla, cut	11182801	5
Caelo	Alchemilla, cut	2101211616	1
Caelo	Alchemilla, cut	2081304	1
Caelo	Alchemilla, cut	5041301	1
Caelo	Alchemilla, cut	8121201	1
Caelo	Alchemilla, cut	9011405	1
Caelo	Alchemilla, cut	11182803	1
Caelo	Alchemilla, cut	11063605	1
Caelo	Alchemilla, cut	131411002	1
Caelo	Alchemilla, cut	13141101	8
Caelo	Alchemilla, cut	13141102	5
Caelo	Alchemilla, cut	13141103	39
Caelo	Alchemilla, cut	13141105	3
Caelo	Alchemilla, cut	1182808	1
Caelo	Alchemilla, cut	13141106	9
Caelo	Alchemilla, cut	13141110	1
Caelo	Alchemilla, cut	1213309	1
Caelo	Alchemilla, cut	1215309	1
Caelo	Alchemilla, cut	12153303	8
Caelo	Alchemilla, cut	12153305	28
Caelo	Alchemilla, cut	12153306	9
Caelo	Alchemilla, cut	12153307	3
Caelo	Alchemilla, cut	12342901	1
Caelo	Alchemilla, cut	125306	1
Caelo	Alchemilla, cut	13091304	1
Caelo	Alchemilla, cut	1406211616	1
Caelo	Alchemilla, cut	11182805	4

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Supplier	Substance	Batch	Spectra
Caelo	Alchemilla, cut	29131-01616	1
Caelo	Alchemilla, cut	3613M01616	1
Caelo	Alchemilla, cut	5013I1616	1
Caelo	Alchemilla, cut	H-040513-2	1
Caelo	Alchemilla, cut	intch:318080	1
Caelo	Alchemilla, cut	1215305	2
Caelo	Alchemilla, cut	1118206	1
Caelo	Alchemilla, cut	27011401	1
Caelo	Alchemilla, cut	14066002	1
Caelo	Alchemilla, cut	1182806	1
Caelo	Alchemilla, cut	14066003	2
Caelo	Alchemilla, cut	11182808	1
Caelo	Alchemilla, cut	14066008	1
Caelo	Alchemilla, cut	15147002	2
Caelo	Alchemilla, cut	11182807	4
Caelo	Alchemilla, cut	21081203	1
Caelo	Alchemilla, cut	13141103-3400310161	1
Caelo	Alchemilla, cut	12153302	18
Caelo	Alchemilla, cut	12153301	5
Caelo	Alchemilla, cut	13141106-3545412081	1
Caelo	Alchemilla, cut	11002906	7
Caelo	Alchemilla, cut	13141103-3382319003	1
Caelo	Alchemilla, cut	13141103-3456311103	1
Caelo	Alfatradiol	111161607	1
Caelo	Alfatradiol	11061001	2
Caelo	Alfatradiol	10319909	1
Caelo	Alfatradiol	10319904	1
Caelo	Alfatradiol	511211	1
Caelo	Alfatradiol	13130806	2
Caelo	Alfatradiol	11161805	6
Caelo	Alfatradiol	11061004	1
Caelo	Alfatradiol	13130808	1
Caelo	Alfatradiol	12H29N05	1
Caelo	Alfatradiol	12164207	9
Caelo	Alfatradiol	12164201	6
Caelo	Alfatradiol	11161807	4
Caelo	Alfatradiol	15380001	5
Caelo	Alfatradiol	14139102	1
Caelo	Alfatradiol	14139102	1
Caelo	Alfatradiol	14130104	1
Caelo	Alfatradiol	14037904	3
Caelo	Alfatradiol	5051406	1
Caelo	Alfatradiol	2061504	1
Caelo	Alfatradiol	13201605	9
Caelo	Alfatradiol	13130805	5
Caelo	Alfatradiol	14139103	4
Caelo	Alfatradiol	14I22-B30-302019	1
Caelo	Alfatradiol	14C20-B02-294944	2
Caelo	Alfatradiol	15356801	5
Caelo	Alfatradiol	14C20-B02-294943	2
Caelo	Alfatradiol	14318502	1
Caelo	Alfatradiol	14139105	1
Caelo	Alfatradiol	14139104	5
Caelo	Alfatradiol	14139104	2
Caelo	Allantoin	4908E-01087	1
Caelo	Allantoin	12374401	1
Caelo	Allantoin	12251511	1
Caelo	Allantoin	10318306	1
Caelo	Allantoin	15220004	3
Caelo	Allantoin	12374418	2

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Supplier	Substance	Batch	Spectra
Caelo	Allantoin	12374422	4
Caelo	Allantoin	12374423	4
Caelo	Allantoin	12bo9-no8	1
Caelo	Allantoin	14247602	6
Caelo	Allantoin	14247609	4
Caelo	Allantoin	81542358	4
Caelo	Allantoin	20140612-15	1
Caelo	Allantoin	20071202	1
Caelo	Allantoin	15220011	1
Caelo	Allantoin	15275302	1
Caelo	Allantoin	15220012	4
Caelo	Allantoin	12374417	1
Caelo	Allantoin	15220010	2
Caelo	Allantoin	2713448	1
Caelo	Allantoin	2713431	1
Caelo	Allantoin	24061401	1
Caelo	Allantoin	15220005	2
Caelo	Allantoin	15220006	8
Caelo	Allantoin	15220007	1
Caelo	Allantoin	15220008	3
Caelo	Allantoin	12374415	10
Caelo	Allantoin	10318312	1
Caelo	Allantoin	10318313	2
Caelo	Allantoin	1113E-01087	1
Caelo	Allantoin	11247504	6
Caelo	Allantoin	11247510	5
Caelo	Allantoin	11247511	1
Caelo	Allantoin	10318305	1
Caelo	Allantoin	2264594	1
Caelo	Allantoin	3091301	1
Caelo	Allantoin	5051402	1
Caelo	Allantoin	10064008	1
Caelo	Allantoin	10064012	1
Caelo	Allantoin	10064015	1
Caelo	Allantoin	10318304	2
Caelo	Allantoin	1225101	1
Caelo	Allantoin	12251510	12
Caelo	Allantoin	12374404	2
Caelo	Allantoin	12374407	6
Caelo	Allantoin	12251509	1
Caelo	Allantoin	12251505	12
Caelo	Allantoin	12251502	2
Caelo	Allantoin	12251501	8
Caelo	Allantoin	12374414	7
Caelo	Aluminium chloride he...	8031301	1
Caelo	Aluminium chloride he...	5081301	1
Caelo	Aluminium chloride he...	3091205	1
Caelo	Aluminium chloride he...	18061308	1
Caelo	Aluminium chloride he...	19041302	1
Caelo	Aluminium chloride he...	12323710	8
Caelo	Aluminium chloride he...	23051205	1
Caelo	Aluminium chloride he...	10251309	1
Caelo	Aluminium chloride he...	10251307	1
Caelo	Aluminium chloride he...	9071303	1
Caelo	Aluminium chloride he...	23071204	1
Caelo	Aluminium chloride he...	10251314	1
Caelo	Aluminium chloride he...	12323703	1
Caelo	Aluminium chloride he...	23111203	1
Caelo	Aluminium chloride he...	11229905	1
Caelo	Aluminium chloride he...	2313A-01095	1

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Supplier	Substance	Batch	Spectra
Caelo	Aluminium chloride he...	15080715	1
Caelo	Aluminium chloride he...	12114912	7
Caelo	Aluminium chloride he...	12114919	1
Caelo	Aluminium chloride he...	12047503	3
Caelo	Aluminium chloride he...	12114920	12
Caelo	Aluminium chloride he...	12114922	17
Caelo	Aluminium chloride he...	12323717	5
Caelo	Aluminium chloride he...	12114908	11
Caelo	Aluminium chloride he...	121149006	1
Caelo	Aluminium chloride he...	12047514	5
Caelo	Aluminium chloride he...	12047505	4
Caelo	Aluminium chloride he...	12114904	2
Caelo	Aluminium chloride he...	1210014-01	19
Caelo	Aluminium chloride he...	12114906	6
Caelo	Aluminium chloride he...	1233702	1
Caelo	Aluminium chloride he...	13L13-B03-287298	1
Caelo	Aluminium chloride he...	11229907	1
Caelo	Aluminium chloride he...	11229906	1
Caelo	Aluminium chloride he...	1406021-01	3
Caelo	Aluminium chloride he...	15051302	1
Caelo	Aluminium chloride he...	15080701	1
Caelo	Aluminium chloride he...	11229913	2
Caelo	Aluminium chloride he...	12127-N01	1
Caelo	Aluminium chloride he...	13/13-B03-287298	1
Caelo	Aluminium chloride he...	130701101	1
Caelo	Aluminium chloride he...	12021303	1
Caelo	Aluminium chloride he...	13G03-N02	24
Caelo	Aluminium chloride he...	11229917	4
Caelo	Aluminium chloride he...	11229914	2
Caelo	Aluminium chloride he...	27081301	1
Caelo	Aluminium chloride he...	121001402	2
Caelo	Aluminium chloride he...	51/AD1	1
Caelo	Aluminium chloride he...	12114907	1
Caelo	Aluminium chloride he...	3113E-01095	1
Caelo	Aluminium chloride he...	28121301	1
Caelo	Aluminium chloride he...	12114910	9
Caelo	Aluminium potassium s...	12022444	1
Caelo	Aluminium potassium s...	12144605	4
Caelo	Aluminium potassium s...	12144607	2
Caelo	Aluminium potassium s...	12239102	2
Caelo	Aluminium potassium s...	12184408	3
Caelo	Aluminium potassium s...	12184407	5
Caelo	Aluminium potassium s...	12184402	1
Caelo	Aluminium potassium s...	13098702	1
Caelo	Aluminium potassium s...	90033229	1
Caelo	Aluminium potassium s...	2713Q1092	1
Caelo	Aluminium potassium s...	15172501	1
Caelo	Aluminium potassium s...	14263804	1
Caelo	Aluminium potassium s...	13356103	2
Caelo	Aluminium potassium s...	13025404	1
Caelo	Aluminium potassium s...	13025401	4
Caelo	Aluminium potassium s...	12 24-M03	1
Caelo	Aluminium potassium s...	12184401	1
Caelo	Aluminium potassium s...	11218611	3
Caelo	Aluminium potassium s...	12022404	1
Caelo	Aluminium potassium s...	12144602	1
Caelo	Aluminium potassium s...	12184411	5
Caelo	Aluminium potassium s...	11017211	1
Caelo	Aluminium potassium s...	13025414	1
Caelo	Aluminium potassium s...	510211092	1

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Supplier	Substance	Batch	Spectra
Caelo	Aluminium potassium s...	504311092	1
Caelo	Aluminium potassium s...	11254805	1
Caelo	Aluminium potassium s...	12184401	3
Caelo	Aluminium potassium s...	1218411	1
Caelo	Aluminium potassium s...	12144603	1
Caelo	Aluminium potassium s...	12022409	1
Caelo	Aluminium potassium s...	11G01-N04	1
Caelo	Aluminium potassium s...	12022404	3
Caelo	Aluminium potassium s...	12184407	3
Caelo	Aluminium potassium s...	12022406	2
Caelo	Aluminium potassium s...	12022406	3
Caelo	Ammonium chloride	10176309	1
Caelo	Ammonium chloride	10176319	2
Caelo	Ammonium chloride	12240302	4
Caelo	Ammonium chloride	12356101	3
Caelo	Ammonium hydrogen car...	4112M-01103	1
Caelo	Ammonium hydrogen car...	24101202	1
Caelo	Ammonium hydrogen car...	23101204	1
Caelo	Ammonium hydrogen car...	23011404	1
Caelo	Ammonium hydrogen car...	13104611	1
Caelo	Ammonium hydrogen car...	9139402	1
Caelo	Ammonium hydrogen car...	11145612	3
Caelo	Ammonium hydrogen car...	12322201	1
Caelo	Ammonium hydrogen car...	12322204	1
Caelo	Ammonium hydrogen car...	13104601	1
Caelo	Ammonium hydrogen car...	3712Q-01103	1
Caelo	Ammonium hydrogen car...	72715338	2
Caelo	Ammonium hydrogen car...	3091204	1
Caelo	Ammonium hydrogen car...	25111308	1
Caelo	Amphetamine sulfate	12095607	1
Caelo	Amphetamine sulfate	13344605	1
Caelo	Amphetamine sulfate	12I24-N03	1
Caelo	Amphetamine sulfate	13344602	1
Caelo	Amphetamine sulfate	1ot067002	1
Caelo	Amphetamine sulfate	15L01-B05	2
Caelo	Amphetamine sulfate	12B06-N013	1
Caelo	Amphetamine sulfate	15193204	1
Caelo	Aniseed, pounded	13149902	1
Caelo	Aniseed, pounded	4041302	1
Caelo	Aniseed, pounded	11242003	1
Caelo	Aniseed, pounded	12111303	3
Caelo	Aniseed, pounded	12360803	2
Caelo	Aniseed, pounded	15149702	1
Caelo	Aniseed, pounded	23041303	1
Caelo	Apple, cut	12227301	1
Caelo	Arginine	1410018-01	1
Caelo	Arnica flower	IntCh:212032	1
Caelo	Arnica flower	12227202	1
Caelo	Arnica flower	1222702	1
Caelo	Arnica flower	122227202	1
Caelo	Arnica flower	11374103	1
Caelo	Arnica flower	10081204	1
Caelo	Arnica flower	10207405	2
Caelo	Arnica flower	11259803	2
Caelo	Arnica flower	11259801	1
Caelo	Arnica flower	11374102	3
Caelo	Arnica flower	11374101	2
Caelo	Arnica flower	11285703	1
Caelo	Artichoke leaf, cut	nachprüfung	1
Caelo	Artichoke leaf, cut	13037607	4

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Supplier	Substance	Batch	Spectra
Caelo	Artichoke leaf, cut	13037608	1
Caelo	Artichoke leaf, cut	2312I-03593	1
Caelo	Artichoke leaf, cut	81232298	1
Caelo	Artichoke leaf, cut	3110Q-03593	1
Caelo	Artichoke leaf, cut	13310706	1
Caelo	Artichoke leaf, cut	12173307-3260315072	1
Caelo	Artichoke leaf, cut	11151908	2
Caelo	Artichoke leaf, cut	12173302	3
Caelo	Artichoke leaf, cut	12173304	2
Caelo	Artichoke leaf, cut	13037605	1
Caelo	Artichoke leaf, cut	13037603	3
Caelo	Artichoke leaf, cut	12173307	6
Caelo	Artichoke leaf, cut	12173306	2
Caelo	Ascorbic acid	12350005	2
Caelo	Ascorbic acid	12350003	1
Caelo	Ascorbic acid	12349909	1
Caelo	Ascorbic acid	11208608	1
Caelo	Ascorbic acid	14123809	2
Caelo	Ascorbic acid	15300002	2
Caelo	Ascorbic acid	22101302	1
Caelo	Ascorbic acid	1071404	1
Caelo	Ascorbic acid	12350011	1
Caelo	Ascorbic acid	14123910	1
Caelo	Ascorbic acid	11208606	2
Caelo	Ascorbic acid	2061203	1
Caelo	Ascorbic acid	15084507	1
Caelo	Ascorbic acid	15084503	1
Caelo	Ascorbic acid	14214403	1
Caelo	Ascorbic acid	14123915	1
Caelo	Ascorbic acid	14044701/3	1
Caelo	Ascorbic acid	14214404	1
Caelo	Ascorbyl palmitate	16B10-B04324111	1
Caelo	Ash leaf, cut	12225505	2
Caelo	Ash leaf, cut	12225504	1
Caelo	Ash leaf, cut	12225502	1
Caelo	Ash leaf, cut	9344908	1
Caelo	Atropine sulfate	12244206	1
Caelo	Atropine sulfate	13173809	1
Caelo	Atropine sulfate	15115201	2
Caelo	Atropine sulfate	13357405	1
Caelo	Atropine sulfate	14336807	1
Caelo	Atropine sulfate	13357403	1
Caelo	Bacitracin	15080605	1
Caelo	Bacitracin	14A21-B09-292908	1
Caelo	Bacitracin	15C12-B06-317782	1
Caelo	Barberry root bark, cut	nachprüfung	1
Caelo	Barberry root bark, cut	12112606	4
Caelo	Barberry root bark, cut	12112601	1
Caelo	Barberry root bark, cut	11083509	1
Caelo	Barberry root bark, cut	55B110128	1
Caelo	Barberry root bark, cut	12112602	2
Caelo	Barberry root bark, cut	12112603	2
Caelo	Barberry root bark, cut	12112605	1
Caelo	Barberry root bark, cut	11083507	1
Caelo	Barberry root bark, cut	12112608	1
Caelo	Basil, rubbed	12066404	2
Caelo	Basil, rubbed	12007010	4
Caelo	Basil, rubbed	3632A110201	4
Caelo	Basil, rubbed	12007008	2
Caelo	Basil, rubbed	13048605	2

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Supplier	Substance	Batch	Spectra
Caelo	Basil, rubbed	13048601	2
Caelo	Basil, rubbed	nachprüfung	1
Caelo	Basil, rubbed	13048605-3519411022	1
Caelo	Bean shells, cut	10006507	1
Caelo	Bean shells, cut	8301004	1
Caelo	Bean shells, cut	14080002	1
Caelo	Bean shells, cut	10006504	1
Caelo	Bean shells, cut	1333802	1
Caelo	Bean shells, cut	11030605	1
Caelo	Bean shells, cut	13333803	1
Caelo	Bean shells, cut	13333801	1
Caelo	Bean shells, cut	11030604	6
Caelo	Bean shells, cut	1103061	1
Caelo	Bean shells, cut	29091201	1
Caelo	Bean shells, cut	11030601	1
Caelo	Bean shells, cut	12358703	3
Caelo	Bean shells, cut	6031301	1
Caelo	Bean shells, cut	11233603	2
Caelo	Bean shells, cut	15060905	1
Caelo	Bearberry leaf, cut	2811Q-01518	1
Caelo	Bearberry leaf, cut	12186502	2
Caelo	Bearberry leaf, cut	11213010	1
Caelo	Bearberry leaf, cut	5111301	1
Caelo	Bearberry leaf, cut	12186503	2
Caelo	Bearberry leaf, cut	3108201204	1
Caelo	Bearberry leaf, cut	9279516	1
Caelo	Bearberry leaf, cut	12186504	1
Caelo	Bearberry leaf, cut	12186506	7
Caelo	Bearberry leaf, cut	17121306	1
Caelo	Bearberry leaf, cut	4689145	1
Caelo	Bearberry leaf, cut	412A-01518	1
Caelo	Bearberry leaf, cut	4091301	1
Caelo	Bearberry leaf, cut	4021407	1
Caelo	Bearberry leaf, cut	15116201	1
Caelo	Bearberry leaf, cut	280889	3
Caelo	Bearberry leaf, cut	13067805-3390311080	1
Caelo	Bearberry leaf, cut	92795616	1
Caelo	Bearberry leaf, cut	11213003	1
Caelo	Bearberry leaf, cut	13067802	2
Caelo	Bearberry leaf, cut	8120	1
Caelo	Bearberry leaf, cut	13067805	7
Caelo	Bearberry leaf, cut	15051303	1
Caelo	Bearberry leaf, cut	11213005	5
Caelo	Bearberry leaf, cut	20111210	1
Caelo	Bearberry leaf, cut	1218602	1
Caelo	Bearberry leaf, cut	9279515	1
Caelo	Beclometasone dipropi...	12G04-n11	1
Caelo	Bentonite	fürHerrSalloch	1
Caelo	Bentonite	1311014-01	1
Caelo	Bentonite	1307016-01	1
Caelo	Benzocaine	13213511	2
Caelo	Benzocaine	13213502	6
Caelo	Benzocaine	15227307	3
Caelo	Benzocaine	15227302	2
Caelo	Benzocaine	1112706/Nachprüfung	1
Caelo	Benzocaine	15227314	2
Caelo	Benzocaine	12341904	7
Caelo	Benzocaine	2412M-01118	1
Caelo	Benzocaine	91062169	1
Caelo	Benzocaine	3784947	1

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Supplier	Substance	Batch	Spectra
Caelo	Benzocaine	24081212	1
Caelo	Benzocaine	19031301	1
Caelo	Benzocaine	15227315	2
Caelo	Benzocaine	13213509	6
Caelo	Benzocaine	13L06-B02-294112	1
Caelo	Benzocaine	13213516	1
Caelo	Benzocaine	13213515	1
Caelo	Benzocaine	12115007	4
Caelo	Benzocaine	12115008	2
Caelo	Benzocaine	12115011	3
Caelo	Benzocaine	12341906	1
Caelo	Benzocaine	1313509	1
Caelo	Benzocaine	5021401	1
Caelo	Benzocaine	1515I-01118	1
Caelo	Benzocaine	11127506	1
Caelo	Benzocaine	1012ben	1
Caelo	Benzocaine	11305206	1
Caelo	Benzocaine	10072603	1
Caelo	Benzocaine	14277502	3
Caelo	Benzocaine	6031501	1
Caelo	Benzocaine	11127508	2
Caelo	Benzoic acid	15084607	2
Caelo	Benzoic acid	15084701	1
Caelo	Benzoic acid	10156104	1
Caelo	Benzoic acid	13074610	2
Caelo	Benzoic acid	90179109	1
Caelo	Benzoic acid	13391320	1
Caelo	Benzoic acid	15084603	2
Caelo	Benzoic acid	13391310	1
Caelo	Benzoic acid	1339120	1
Caelo	Betaine monohydrate	4312172831	1
Caelo	Betaine monohydrate	14A14-B02-292983	1
Caelo	Betamethasone dipropi...	18121306	1
Caelo	Betamethasone dipropi...	15163303	1
Caelo	Betamethasone dipropi...	13125703	4
Caelo	Betamethasone dipropi...	12114512	1
Caelo	Betamethasone dipropi...	12114513	3
Caelo	Betamethasone dipropi...	8K03-N13	1
Caelo	Betamethasone dipropi...	13023001	3
Caelo	Betamethasone dipropi...	13023002	6
Caelo	Betamethasone dipropi...	13125701	4
Caelo	Betamethasone dipropi...	12114511	2
Caelo	Betamethasone dipropi...	1210020-01	1
Caelo	Betamethasone dipropi...	13023005	8
Caelo	Betamethasone dipropi...	12114501	1
Caelo	Betamethasone dipropi...	1303006-01	6
Caelo	Betamethasone dipropi...	12114506	1
Caelo	Betamethasone dipropi...	12114507	3
Caelo	Betamethasone dipropi...	1325702	1
Caelo	Betamethasone dipropi...	2313A-03644	1
Caelo	Betamethasone dipropi...	13372516	4
Caelo	Betamethasone dipropi...	13372516	1
Caelo	Betamethasone dipropi...	13372515	2
Caelo	Betamethasone dipropi...	13372514	1
Caelo	Betamethasone dipropi...	13372514	5
Caelo	Betamethasone dipropi...	13372504	4
Caelo	Betamethasone dipropi...	15238701	1
Caelo	Betamethasone dipropi...	15163301	9
Caelo	Betamethasone dipropi...	15163301	5
Caelo	Betamethasone dipropi...	15163302	1

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Supplier	Substance	Batch	Spectra
Caelo	Betamethasone dipropi...	140507	1
Caelo	Betamethasone dipropi...	15163303	4
Caelo	Betamethasone dipropi...	15163304	2
Caelo	Betamethasone dipropi...	15238701	1
Caelo	Betamethasone dipropi...	13372503	3
Caelo	Betamethasone dipropi...	AKD11	1
Caelo	Betamethasone dipropi...	13236801	2
Caelo	Betamethasone dipropi...	13236801	1
Caelo	Betamethasone dipropi...	13236802	6
Caelo	Betamethasone dipropi...	2109DM0B00111322	1
Caelo	Betamethasone dipropi...	13372503	2
Caelo	Betamethasone dipropi...		1
Caelo	Betamethasone dipropi...	13236806	1
Caelo	Betamethasone dipropi...	13236805	6
Caelo	Betamethasone dipropi...	13236803	1
Caelo	Betamethasone dipropi...	15412907	1
Caelo	Betamethasone valerate	1203403	1
Caelo	Betamethasone valerate	210112	1
Caelo	Betamethasone valerate	12003402	1
Caelo	Betamethasone valerate	3110025	1
Caelo	Betamethasone valerate	15262603	8
Caelo	Betamethasone valerate	15262604	5
Caelo	Betamethasone valerate	15262606	1
Caelo	Betamethasone valerate	15262607	6
Caelo	Betamethasone valerate	15262609	2
Caelo	Betamethasone valerate	15398501	6
Caelo	Betamethasone valerate	15262602	2
Caelo	Betamethasone valerate	15075803	4
Caelo	Betamethasone valerate	150758036	1
Caelo	Betamethasone valerate	15075804	5
Caelo	Betamethasone valerate	15075805	2
Caelo	Betamethasone valerate	15075809	1
Caelo	Betamethasone valerate	15075810	3
Caelo	Betamethasone valerate	15398505	2
Caelo	Betamethasone valerate	1108045-03	17
Caelo	Betamethasone valerate	1113	1
Caelo	Betamethasone valerate	11131905	1
Caelo	Betamethasone valerate	11131906	2
Caelo	Betamethasone valerate	11131909	1
Caelo	Betamethasone valerate	11131917	5
Caelo	Betamethasone valerate	10296705	2
Caelo	Betamethasone valerate	15398506	5
Caelo	Betamethasone valerate	15398515	3
Caelo	Betamethasone valerate	16270501	1
Caelo	Betamethasone valerate	18071403	1
Caelo	Betamethasone valerate	C0073/1	3
Caelo	Betamethasone valerate	NT0597M	3
Caelo	Betamethasone valerate	10296701	1
Caelo	Betamethasone valerate	15075802	15
Caelo	Betamethasone valerate	13091212	10
Caelo	Betamethasone valerate	13091213	7
Caelo	Betamethasone valerate	13225502	3
Caelo	Betamethasone valerate	13225503	9
Caelo	Betamethasone valerate	13225504	6
Caelo	Betamethasone valerate	13225505	6
Caelo	Betamethasone valerate	13091207	9
Caelo	Betamethasone valerate	8081502	1
Caelo	Betamethasone valerate	10106313	1
Caelo	Betamethasone valerate	12003403	13
Caelo	Betamethasone valerate	123345	1

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Supplier	Substance	Batch	Spectra
Caelo	Betamethasone valerate	13091203	12
Caelo	Betamethasone valerate	13091205	13
Caelo	Betamethasone valerate	13225507	2
Caelo	Betamethasone valerate	14188604	7
Caelo	Betamethasone valerate	14188609	1
Caelo	Betamethasone valerate	14188610	3
Caelo	Betamethasone valerate	14188617	1
Caelo	Betamethasone valerate	14188619	2
Caelo	Betamethasone valerate	15/16-B07-319228	1
Caelo	Betamethasone valerate	14188603	2
Caelo	Betamethasone valerate	13225508	12
Caelo	Betamethasone valerate	13225509	2
Caelo	Betamethasone valerate	13225515	7
Caelo	Betamethasone valerate	13225516	6
Caelo	Betamethasone valerate	13K29B32288247	1
Caelo	Betamethasone valerate	14031407	1
Caelo	Betamethasone valerate	14188602	1
Caelo	Betamethasone valerate	12229810	3
Caelo	Betamethasone valerate	18121206	1
Caelo	Betamethasone valerate	12003405	10
Caelo	Betamethasone valerate	12229804	5
Caelo	Betamethasone valerate	13091204	5
Caelo	Betamethasone valerate	12229812	12
Caelo	Betamethasone valerate	12229811	7
Caelo	Betamethasone valerate	12229809	3
Caelo	Betamethasone valerate	12229808	12
Caelo	Betamethasone valerate	12229806	7
Caelo	Betamethasone valerate	2x12229813	1
Caelo	Betamethasone valerate	12003404	3
Caelo	Betamethasone valerate	12003410	2
Caelo	Betamethasone valerate	1131914	1
Caelo	Betamethasone valerate	12229805	10
Caelo	Betamethasone valerate	12003407	1
Caelo	Betamethasone valerate	12003406	7
Caelo	Betamethasone valerate	B03041205	1
Caelo	Betamethasone valerate	12003411	5
Caelo	Betamethasone valerate	3110031	1
Caelo	Betamethasone valerate	12229802	5
Caelo	Betamethasone, micron...	11/14-N02	3
Caelo	Betamethasone, micron...	120104/13	1
Caelo	Betamethasone-17-vale...	12a05-no8	1
Caelo	Betony herb, cut	13367802	1
Caelo	Betony herb, cut	13048906	1
Caelo	Betony herb, cut	11247205	1
Caelo	Betony herb, cut	12007208	1
Caelo	Betony herb, cut	134048903	1
Caelo	Bifonazole	15152701	2
Caelo	Bilberry fruit, dried	10273708	1
Caelo	Bilberry fruit, dried	10273709	1
Caelo	Bilberry fruit, dried	10273711	2
Caelo	Bilberry fruit, dried	10273707	1
Caelo	Bilberry fruit, dried	12183701	2
Caelo	Bilberry fruit, dried	12183704	4
Caelo	Bilberry fruit, dried	13130501	3
Caelo	Bilberry fruit, dried	18101307	1
Caelo	Bilberry fruit, dried	26061301	1
Caelo	Bilberry fruit, dried	10265603	1
Caelo	Bilberry leaf, cut	13009901	3
Caelo	Bilberry leaf, cut	1300907	1
Caelo	Bilberry leaf, cut	10222601	1

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Supplier	Substance	Batch	Spectra
Caelo	Bilberry leaf, cut	12140206	2
Caelo	Bilberry leaf, cut	12140201	2
Caelo	Bilberry leaf, cut	12140204	5
Caelo	Bilberry leaf, cut	13009903	4
Caelo	Bilberry leaf, cut	13009907	2
Caelo	Bilberry leaf, cut	3091302	1
Caelo	Bilberry leaf, cut	13009905	1
Caelo	Bilberry leaf, cut	9367603	2
Caelo	Bilberry leaf, cut	23111201	1
Caelo	Bilberry leaf, cut	5110J-01506	1
Caelo	Bilberry leaf, cut	nachprüfung	1
Caelo	Bilberry leaf, cut	13009904	3
Caelo	Bilberry leaf, cut	12140205	1
Caelo	Biotin	12A23-N03	2
Caelo	Birch leaf, cut	11189507	1
Caelo	Birch leaf, cut	IntCh:311092	1
Caelo	Birch leaf, cut	12193002	1
Caelo	Birch leaf, cut	11189510	3
Caelo	Birch leaf, cut	107063	1
Caelo	Birch leaf, cut	nachprüfung	1
Caelo	Birch leaf, cut	11189509	1
Caelo	Birch leaf, cut	12193003	1
Caelo	Birch leaf, cut	11050102	3
Caelo	Birch leaf, cut	11189501	2
Caelo	Birch leaf, cut	261441	1
Caelo	Birch leaf, cut	13108906	1
Caelo	Birch leaf, cut	13108905	9
Caelo	Birch leaf, cut	12193109	12
Caelo	Birch leaf, cut	13108916	1
Caelo	Birch leaf, cut	13337303-3561412013	1
Caelo	Birch leaf, cut	3013E-01481	1
Caelo	Birch leaf, cut	14360703	1
Caelo	Birch leaf, cut	14360702	1
Caelo	Birch leaf, cut	13337302	1
Caelo	Birch leaf, cut	13108917	1
Caelo	Birch leaf, cut	12193108	1
Caelo	Birch leaf, cut	11189502	2
Caelo	Bismuth gallath, basic	15080602	2
Caelo	Bismuth gallath, basic	14224103	1
Caelo	Bismuth gallath, basic	81297468	1
Caelo	Bismuth gallath, basic	9205701	1
Caelo	Bismuth gallath, basic	14224103	3
Caelo	Bismuth gallath, basic	9205703	1
Caelo	Bismuth gallath, basic	13179111	1
Caelo	Bismuth gallath, basic	13179111	2
Caelo	Bismuth gallath, basic	10D23-N05	1
Caelo	Bismuth gallath, basic	1127203	1
Caelo	Bismuth gallath, basic	81297468	1
Caelo	Bismuth gallath, basic	15080606	4
Caelo	Bismuth gallath, basic	15200904	2
Caelo	Bismuth gallath, basic	15200905	1
Caelo	Bismuth gallath, basic	1520910	1
Caelo	Bismuth gallath, basic	15B02B04304413	1
Caelo	Bismuth gallath, basic	15B02-B04-309481	3
Caelo	Bismuth gallath, basic	16038308	3
Caelo	Bismuth gallath, basic	23121410	1
Caelo	Bismuth gallath, basic	2414E-01185	1
Caelo	Bismuth gallath, basic	81297468	3
Caelo	Bismuth gallath, basic	13179105	1
Caelo	Bismuth gallath, basic	12172402	4

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Supplier	Substance	Batch	Spectra
Caelo	Bismuth gallath, basic	12c13-n03	1
Caelo	Bismuth gallath, basic	12c13-no3	1
Caelo	Bismuth gallath, basic	5208I-01185	1
Caelo	Bismuth gallath, basic	8129768	1
Caelo	Bismuth gallath, basic	92057409	1
Caelo	Bismuth gallath, basic	B-150513-1	1
Caelo	Bismuth gallath, basic	15080603	1
Caelo	Bismuth gallath, basic	12172401	2
Caelo	Bismuth gallath, basic	13179101	1
Caelo	Bismuth gallath, basic	12172409	1
Caelo	Bismuth gallath, basic	12172409	5
Caelo	Bismuth gallath, basic	12172402	1
Caelo	Bismuth gallath, basic	1217240	1
Caelo	Bismuth gallath, basic	12166901	2
Caelo	Bitter orange flower ...	13067903	3
Caelo	Bitter orange flower ...	13352701	1
Caelo	Bitter orange flower ...	12266608	5
Caelo	Bitter orange flower ...	12266707	1
Caelo	Bitter orange flower ...	12266705	2
Caelo	Bitter orange flower ...	12266611	2
Caelo	Bitter orange flower ...	12266605	1
Caelo	Bitter orange flower ...	13352701-3518411022	1
Caelo	Bitter orange flower ...	2712E-01445	1
Caelo	Bitter orange flower ...	6051301	1
Caelo	Bitter orange flower ...	11049202	1
Caelo	Bitter orange flower ...	12266703	3
Caelo	Bitter orange flower ...	12266608	2
Caelo	Bitter orange flower ...	12266614	1
Caelo	Bitter orange flower ...	12266611	2
Caelo	Bitter orange flower ...	12266609	1
Caelo	Bitter orange flower ...	12266601	1
Caelo	Bitter orange flower ...	12266605	1
Caelo	Bitter orange flower ...	12266708	1
Caelo	Bitter orange peel, cut	13049001	1
Caelo	Bitter orange peel, cut	12239203	3
Caelo	Bitter orange peel, cut	12067402	1
Caelo	Blackberry leaf, cut	15039301	1
Caelo	Blackberry leaf, cut	13101610	1
Caelo	Blackberry leaf, cut	28061202	1
Caelo	Blackberry leaf, cut	14111318	1
Caelo	Blackberry leaf, cut	2271c120508	1
Caelo	Blackberry leaf, cut	14019010	1
Caelo	Blackberry leaf, cut	13127901	1
Caelo	Blackberry leaf, cut	10136403	1
Caelo	Blackberry leaf, cut	10136408	7
Caelo	Blackberry leaf, cut	3091303	1
Caelo	Blackberry leaf, cut	10136412	2
Caelo	Blackberry leaf, cut	11030701	2
Caelo	Blackberry leaf, cut	nachprüfung	1
Caelo	Blackberry leaf, cut	13091206	1
Caelo	Blackberry leaf, cut	2110E-01512	1
Caelo	Blackberry leaf, cut	3011E-01512	1
Caelo	Blackberry leaf, cut	11030707	6
Caelo	Blackberry leaf, cut	11030706	1
Caelo	Blackberry leaf, cut	11030704	4
Caelo	Blackcurrant leaf, cut	12115902	2
Caelo	Blackcurrant leaf, cut	9373913	1
Caelo	Blackcurrant leaf, cut	12168804	1
Caelo	Blackcurrant leaf, cut	12168810	4
Caelo	Blackcurrant leaf, cut	80558228	1

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Supplier	Substance	Batch	Spectra
Caelo	Blackcurrant leaf, cut	12168801	1
Caelo	Blackthorn flower	12178103	2
Caelo	Blackthorn flower	12178101	2
Caelo	Blackthorn flower	11206906	1
Caelo	Blackthorn flower	12178102	5
Caelo	Blackthorn flower	12178104	4
Caelo	Blackthorn flower	12178105	1
Caelo	Blessed thistle, cut	103225403	1
Caelo	Blessed thistle, cut	10325402	6
Caelo	Blessed thistle, cut	13025903	3
Caelo	Blessed thistle, cut	10325404	2
Caelo	Blessed thistle, cut	13025901	4
Caelo	Blessed thistle, cut	13389701	1
Caelo	Blessed thistle, cut	12038203	3
Caelo	Blessed thistle, cut	12038202	1
Caelo	Blessed thistle, cut	3091301	1
Caelo	Blessed thistle, cut	4743554	1
Caelo	Blessed thistle, cut	27111205	1
Caelo	Blessed thistle, cut	13025902	1
Caelo	Blessed thistle, cut	2513A-01628	1
Caelo	Blessed thistle, cut	9355208	1
Caelo	Bogbean leaf, cut	13123902	2
Caelo	Bogbean leaf, cut	12226104	1
Caelo	Bogbean leaf, cut	1712E-01517	1
Caelo	Bogbean leaf, cut	1226101	1
Caelo	Bogbean leaf, cut	13149001	1
Caelo	Bogbean leaf, cut	13123901	2
Caelo	Boldo leaf, cut	12227005	2
Caelo	Boldo leaf, cut	12227004	1
Caelo	Boldo leaf, cut	12064306	1
Caelo	Boldo leaf, cut	12064305	1
Caelo	Boldo leaf, cut	12064303	1
Caelo	Boldo leaf, cut	11016509	1
Caelo	Boldo leaf, cut	11016508	1
Caelo	Boldo leaf, cut	11016511	1
Caelo	Boldo leaf, cut	655456	1
Caelo	Boldo leaf, cut	11016502	1
Caelo	Boldo leaf, cut	11016506	2
Caelo	Boric acid	14133113	1
Caelo	Boric acid	15425101	1
Caelo	Boric acid	9324036	1
Caelo	Boric acid	9324043	1
Caelo	Boric acid	12238901	1
Caelo	Boric acid	12260502	1
Caelo	Boric acid	12260507	1
Caelo	Boric acid	1234	1
Caelo	Boric acid	14095202	1
Caelo	Boric acid	15095103	1
Caelo	Boric acid	812Q-01018	1
Caelo	Boric acid	10227913	1
Caelo	Boric acid	2808A-01019	1
Caelo	Boric acid	11D13-N08	1
Caelo	Boric acid	14133119	1
Caelo	Boric acid	9324021	1
Caelo	Boric acid	12260537	1
Caelo	Bucho leaf	13056605	1
Caelo	Bucho leaf	13056602	2
Caelo	Bucho leaf	13056601	2
Caelo	Buckwheat herb, cut	30041301	1
Caelo	Buckwheat herb, cut	13193203	1

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Supplier	Substance	Batch	Spectra
Caelo	Buckwheat herb, cut	13051303	1
Caelo	Buckwheat herb, cut	11212817	4
Caelo	Buckwheat herb, cut	11212815	1
Caelo	Buckwheat herb, cut	2051303	1
Caelo	Buckwheat herb, cut	5111302	1
Caelo	Buckwheat herb, cut	11212612	1
Caelo	Buckwheat herb, cut	11212807	2
Caelo	Buckwheat herb, cut	11212808	2
Caelo	Budesonide, micronized	15173810	1
Caelo	Budesonide, micronized	12295105	1
Caelo	Budesonide, micronized	12295108	1
Caelo	Budesonide, micronized	15344003	5
Caelo	Budesonide, micronized	15173812	1
Caelo	Budesonide, micronized	12295109	2
Caelo	Budesonide, micronized	12295110	2
Caelo	Budesonide, micronized	12295111	5
Caelo	Budesonide, micronized	15173811	3
Caelo	Budesonide, micronized	1305004-01	2
Caelo	Budesonide, micronized	140711707	1
Caelo	Budesonide, micronized	14071701	2
Caelo	Budesonide, micronized	12295106	2
Caelo	Budesonide, micronized	11175014	2
Caelo	Budesonide, micronized	16143102	1
Caelo	Budesonide, micronized	11175015	1
Caelo	Budesonide, micronized	11351701	1
Caelo	Budesonide, micronized	11351706	5
Caelo	Budesonide, micronized	11351707	3
Caelo	Budesonide, micronized	11351713	1
Caelo	Budesonide, micronized	12295103	1
Caelo	Budesonide, micronized	21100M1	1
Caelo	Budesonide, micronized	11351703	1
Caelo	Budesonide, micronized	14071702	6
Caelo	Budesonide, micronized	15173803	5
Caelo	Budesonide, micronized	14071713	1
Caelo	Budesonide, micronized	14071714	4
Caelo	Budesonide, micronized	15173806	1
Caelo	Budesonide, micronized	14071716	2
Caelo	Budesonide, micronized	14071706	1
Caelo	Budesonide, micronized	1471707	1
Caelo	Budesonide, micronized	14071717	3
Caelo	Budesonide, micronized	14071707	2
Caelo	Burdock root, cut	12295805	1
Caelo	Burdock root, cut	12295807	1
Caelo	Burdock root, cut	12295808	1
Caelo	Burdock root, cut	1100801	1
Caelo	Burdock root, cut	11100801	2
Caelo	Burdock root, cut	13122801	2
Caelo	Burdock root, cut	12295801	2
Caelo	Burdock root, cut	12295802	4
Caelo	Burdock root, cut	12295803	1
Caelo	Burdock root, cut	107063	1
Caelo	Burdock root, cut	10073213	1
Caelo	Burdock root, cut	13122802	1
Caelo	Burnet root	12027411	1
Caelo	Burnet root	12027405	2
Caelo	Burnet root	12027410	1
Caelo	Butylated hydroxytolu...	12382302	6
Caelo	Butylated hydroxytolu...	12382304	7
Caelo	Butylated hydroxytolu...	12382307	3
Caelo	Butylated hydroxytolu...	20161112-1	1

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Supplier	Substance	Batch	Spectra
Caelo	Butylated hydroxytolu...	13354604	8
Caelo	Butylated hydroxytolu...	2113U02851	1
Caelo	Butylated hydroxytolu...	15172101	1
Caelo	Butylated hydroxytolu...	15094501	1
Caelo	Butylated hydroxytolu...	15172101	5
Caelo	Butylated hydroxytolu...	14300505	5
Caelo	Butylated hydroxytolu...	15172103	10
Caelo	Butylated hydroxytolu...	15172105	6
Caelo	Butylated hydroxytolu...	122080206	1
Caelo	Butylated hydroxytolu...	15094501	2
Caelo	Butylated hydroxytolu...	14300502	5
Caelo	Butylated hydroxytolu...	14300501	6
Caelo	Butylated hydroxytolu...	143004502	1
Caelo	Butylated hydroxytolu...	1400501	1
Caelo	Butylated hydroxytolu...	13354611	1
Caelo	Butylated hydroxytolu...	13354602	4
Caelo	Butylated hydroxytolu...	12280201	2
Caelo	Butylated hydroxytolu...	13354609	4
Caelo	Butylated hydroxytolu...	12280203	8
Caelo	Butylated hydroxytolu...	7031403	1
Caelo	Butylated hydroxytolu...	12382309	7
Caelo	Butylated hydroxytolu...	12158204	5
Caelo	Butylated hydroxytolu...	12280206	5
Caelo	Butylated hydroxytolu...	11131006	2
Caelo	Butylated hydroxytolu...	12207005	3
Caelo	Butylated hydroxytolu...	1220705	1
Caelo	Caffeine	13233111	1
Caelo	Caffeine	1503020-01	5
Caelo	Caffeine	3212E-01281	1
Caelo	Caffeine		2
Caelo	Caffeine	13233111	2
Caelo	Caffeine	13233105	2
Caelo	Caffeine	12317914	2
Caelo	Caffeine	12317909	5
Caelo	Caffeine	12317906	1
Caelo	Caffeine	11076807	1
Caelo	Caffeine	11111111	1
Caelo	Caffeine	12093410	2
Caelo	Caffeine	11076807	1
Caelo	Caffeine	15054709	2
Caelo	Caffeine	12093418	2
Caelo	Caffeine	1211012-01	1
Caelo	Caffeine	12317902	1
Caelo	Caffeine	15054704	2
Caelo	Caffeine	12317904	2
Caelo	Caffeine	15082311	1
Caelo	Caffeine	9301807	1
Caelo	Calcium ascorbate	14340907	1
Caelo	Calcium ascorbate	L1502018-02	1
Caelo	Calcium ascorbate	11159915	1
Caelo	Calcium ascorbate	12097406	1
Caelo	Calcium ascorbate	13105608	1
Caelo	Calcium chloride dihy...	12341404	2
Caelo	Calcium chloride dihy...	12B09-N11	1
Caelo	Calcium chloride dihy...	12341409	1
Caelo	Calcium chloride dihy...	8237314	1
Caelo	Calcium chloride dihy...	11230915	1
Caelo	Calcium chloride dihy...	11230921	2
Caelo	Calcium chloride dihy...	12238401	2
Caelo	Calcium chloride dihy...	12341401	1

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Supplier	Substance	Batch	Spectra
Caelo	Calcium citrate tetra...	12310402	2
Caelo	Calcium citrate tetra...	1168813	1
Caelo	Calcium citrate tetra...	1168806	1
Caelo	Calcium citrate tetra...	11349320	1
Caelo	Calcium citrate tetra...	11349318	4
Caelo	Calcium citrate tetra...	12310403	2
Caelo	Calcium citrate tetra...	19061315	1
Caelo	Calcium citrate tetra...	71356168	1
Caelo	Calcium citrate tetra...	133912042x	1
Caelo	Calcium citrate tetra...	12310417	3
Caelo	Calcium citrate tetra...	12310411	2
Caelo	Calcium citrate tetra...	nachprüfung	1
Caelo	Calcium citrate tetra...	12310406	2
Caelo	Calcium citrate tetra...	11349315	1
Caelo	Calcium citrate tetra...	11061402	1
Caelo	Calcium citrate tetra...	12310418	2
Caelo	Calcium citrate tetra...	130501801	2
Caelo	Calcium citrate tetra...	14133303	1
Caelo	Calcium citrate tetra...	14133310	1
Caelo	Calcium citrate tetra...	1509039-01	3
Caelo	Calcium citrate tetra...	11168806	4
Caelo	Calcium citrate tetra...	11349325Nachprüfung	1
Caelo	Calcium citrate tetra...	15177702	2
Caelo	Calcium citrate tetra...	15375703	1
Caelo	Calcium citrate tetra...	50/6	1
Caelo	Calcium citrate tetra...	11349325	3
Caelo	Calcium citrate tetra...	13391203	3
Caelo	Calcium citrate tetra...	13391205	3
Caelo	Calcium citrate tetra...	15177701	1
Caelo	Calcium citrate tetra...	11349301	1
Caelo	Calcium citrate tetra...	11168803	1
Caelo	Calcium citrate tetra...	121100701	1
Caelo	Calcium citrate tetra...	92457399	1
Caelo	Calcium citrate tetra...	12310401	3
Caelo	Calcium citrate tetra...	12310407	2
Caelo	Calcium citrate tetra...	12310413	4
Caelo	Calcium citrate tetra...	92192429	1
Caelo	Calcium citrate tetra...	11349304	2
Caelo	Calcium citrate tetra...	15177703	2
Caelo	Calcium citrate tetra...	16021502	1
Caelo	Calcium citrate tetra...	2114M1209	1
Caelo	Calcium citrate tetra...	3512U-01209	1
Caelo	Calcium citrate tetra...	11168813	1
Caelo	Calcium citrate tetra...	11349309	3
Caelo	Calcium gluconate	15126301	2
Caelo	Calcium gluconate	15435607	1
Caelo	Calcium gluconate	11121607	1
Caelo	Calcium gluconate	12335810	1
Caelo	Calcium gluconate	12335813	1
Caelo	Calcium gluconate	1235813	1
Caelo	Calcium gluconate	14085405	1
Caelo	Calcium glycerophosph...	13007902	1
Caelo	Calcium glycerophosph...	12012413	1
Caelo	Calcium glycerophosph...	13A18-No2	1
Caelo	Calcium glycerophosph...	12012406	1
Caelo	Calcium glycerophosph...	16231004	1
Caelo	Calcium glycerophosph...	15B03B03305050	1
Caelo	Calcium glycerophosph...	13007908	1
Caelo	Calcium glycerophosph...	13007912	2
Caelo	Calcium glycerophosph...	13007919	1

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Supplier	Substance	Batch	Spectra
Caelo	Calcium glycerophosph...	13007922	1
Caelo	Calcium glycerophosph...	1341001	1
Caelo	Calcium glycerophosph...	13007914	2
Caelo	Calcium glycerophosph...	14347101	2
Caelo	Calcium glycerophosph...	14341012	2
Caelo	Calcium glycerophosph...	14341009	1
Caelo	Calcium glycerophosph...	14341007	3
Caelo	Calcium glycerophosph...	1431001	1
Caelo	Calcium hydrogen phos...	12212804	7
Caelo	Calcium hydrogen phos...	12212806	1
Caelo	Calcium hydrogen phos...	12212809	2
Caelo	Calcium hydrogen phos...	12212812	2
Caelo	Calcium hydrogen phos...	11287510	1
Caelo	Calcium hydrogen phos...	11287503	2
Caelo	Calcium hydrogen phos...	10135223	1
Caelo	Calcium hydrogen phos...	10135222	1
Caelo	Calcium hydrogen phos...	10135216	1
Caelo	Calcium hydrogen phos...	10135201	1
Caelo	Calcium hydrogen phos...	14011401	1
Caelo	Calcium hydrogen phos...	13170701	4
Caelo	Calcium hydrogen phos...	13170704	2
Caelo	Calcium hydrogen phos...	12212822	1
Caelo	Calcium hydrogen phos...	12212816	1
Caelo	Calcium hydrogen phos...	12212813	1
Caelo	Calcium hydrogen phos...	11287509	2
Caelo	Calcium lactate penta...	15101411	2
Caelo	Calcium lactate penta...	15101409	1
Caelo	Calcium lactate penta...	15227804	2
Caelo	Calcium lactate penta...	11369610	1
Caelo	Calcium lactate penta...	11369614	2
Caelo	Calcium lactate penta...	11369618	1
Caelo	Calcium lactate penta...	12E10-N03	1
Caelo	Calcium lactate penta...	13080802	2
Caelo	Calcium lactate penta...	14H01B05300502	1
Caelo	Calcium lactate penta...	11369606	1
Caelo	Calcium lactate penta...	13080804	2
Caelo	Calcium lactate penta...	13080805	2
Caelo	Calcium pantothenate	12236622	1
Caelo	Calcium pantothenate	27111303	1
Caelo	Calcium pantothenate	11105731	1
Caelo	Calcium pantothenate	12340846	1
Caelo	Calcium pantothenate	12340808	3
Caelo	Calcium pantothenate	12340809	1
Caelo	Calcium pantothenate	12340819	2
Caelo	Calcium pantothenate	1013Q-03022	1
Caelo	Calcium pantothenate	12340832	1
Caelo	Calcium pantothenate	15143914	1
Caelo	Calcium pantothenate	8041407	1
Caelo	Calcium pantothenate	14208004	1
Caelo	Calcium pantothenate	12340859	1
Caelo	Calcium sulfate dihyd...	12316301	2
Caelo	Calcium sulfate dihyd...	12257703	4
Caelo	Calcium sulfate dihyd...	12257701	1
Caelo	Calcium sulfate dihyd...	11164005	1
Caelo	Calcium sulfate dihyd...	10132403	1
Caelo	Calcium sulfate hemih...	9246322	2
Caelo	Calcium sulfate hemih...	9246320	1
Caelo	Calendula flower	12221710	1
Caelo	Calendula flower	13235501	1
Caelo	Calendula flower	12221708	3

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Supplier	Substance	Batch	Spectra
Caelo	Calendula flower	12221511	1
Caelo	Calendula flower	12221706	2
Caelo	Calendula flower	15291501	1
Caelo	Calendula flower	12221705	1
Caelo	Calendula flower	12221508	1
Caelo	Calendula flower	12221513	1
Caelo	Calendula flower	13235503	3
Caelo	Calendula flower	122221707	1
Caelo	Calendula flower	12221510-3356319071	1
Caelo	Calendula flower	12221510-3435311151	1
Caelo	Calendula flower	12221709	1
Caelo	Calendula flower, cut	12221503	1
Caelo	Calendula flower, cut	12221502	2
Caelo	Calendula flower, cut	12071201	1
Caelo	Calendula flower, cut	18121301	1
Caelo	Calendula flower, cut	19111206	1
Caelo	Calendula flower, cut	21091301	1
Caelo	Calendula flower, cut	11221409	2
Caelo	Calendula flower, cut	22061203	1
Caelo	Calendula flower, cut	27101201	1
Caelo	Calendula flower, cut	295556	1
Caelo	Calendula flower, cut	11221407	2
Caelo	Calendula flower, cut	12221506	1
Caelo	Calendula flower, cut	1325502	1
Caelo	Calendula flower, cut	13410202	1
Caelo	Calendula flower, cut	122221704	1
Caelo	Calendula flower, cut	15040301	1
Caelo	Calendula flower, cut	12221710	2
Caelo	Calendula flower, cut	12221707	3
Caelo	Calendula flower, cut	12221507	1
Caelo	Calendula flower, cut	13235501	3
Caelo	Calendula flower, cut	13235502	10
Caelo	Calendula flower, cut	12221701	2
Caelo	Calendula flower, cut	12221704	15
Caelo	Calendula flower, cut	12221705	4
Caelo	Calendula flower, cut	11187611	5
Caelo	Calendula flower, cut	11187616	1
Caelo	Calendula flower, cut	1187612	3
Caelo	Calendula flower, cut	12221601	5
Caelo	Calendula flower, cut	10117006	1
Caelo	Calendula flower, cut	12221708	8
Caelo	Calendula flower, cut	13235506	1
Caelo	Calendula flower, cut	AKD1	1
Caelo	Calendula flower, cut	31121202	1
Caelo	Calendula flower, cut	11187612	15
Caelo	Calendula flower, cut	11187610	5
Caelo	Calendula flower, cut	11187607	4
Caelo	Calendula flower, cut	10117004	3
Caelo	Calendula flower, cut	9121303	1
Caelo	Calendula flower, cut	8041302	1
Caelo	Calendula flower, cut	10291904	4
Caelo	Calendula flower, cut	3061301	1
Caelo	Calendula flower, cut	5021305	1
Caelo	Camphor	2344905	1
Caelo	Camphor	11032023	1
Caelo	Camphor	16209301	1
Caelo	Camphor	15397704	1
Caelo	Camphor	444A100826	1
Caelo	Camphor	4444A150721	1
Caelo	Camphor	15316807	2

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Supplier	Substance	Batch	Spectra
Caelo	Camphor	15316815	2
Caelo	Camphor	15316812	1
Caelo	Camphor	11032025	1
Caelo	Camphor	13205511	1
Caelo	Camphor	12054142	1
Caelo	Camphor	13195304	1
Caelo	Camphor	13195311	1
Caelo	Camphor	13195311	1
Caelo	Camphor	13195323	1
Caelo	Camphor	914E-01221	1
Caelo	Camphor	25041401	1
Caelo	Camphor	2803020-01	1
Caelo	Camphor	2811Q-01221	1
Caelo	Camphor	5315I-01221	1
Caelo	Camphor	11074509	1
Caelo	Camphor	13195320	1
Caelo	Camphor	15316806	2
Caelo	Camphor	1087	1
Caelo	Camphor	11286905	5
Caelo	Camphor	11286909	2
Caelo	Camphor	11286910	1
Caelo	Camphor	12054105	1
Caelo	Camphor	12054107	5
Caelo	Camphor	713A-01221	1
Caelo	Camphor	3091203	1
Caelo	Camphor	312M-01219	1
Caelo	Camphor	1309019-03	1
Caelo	Camphor	315E-01221	1
Caelo	Camphor	4031503	1
Caelo	Camphor	4101303	1
Caelo	Camphor	12054113	1
Caelo	Camphor	12228205	1
Caelo	Camphor	12061411	1
Caelo	Camphor	12054143	1
Caelo	Camphor	120564113	1
Caelo	Camphor	12054151	2
Caelo	Camphor	12054149	6
Caelo	Camphor	12228206	1
Caelo	Camphor	12054114	2
Caelo	Camphor	12054124	3
Caelo	Camphor	12054141	6
Caelo	Camphor	12344905	6
Caelo	Camphor	12243701	1
Caelo	Camphor	12054142	6
Caelo	Camphor	13108106	2
Caelo	Camphor	14310703	1
Caelo	Camphor	14224304	1
Caelo	Camphor	14224303	1
Caelo	Camphor	14202807	1
Caelo	Camphor	14202801	3
Caelo	Camphor	13205522	3
Caelo	Camphor	14310705	1
Caelo	Camphor	15120901	1
Caelo	Camphor	15097803	2
Caelo	Camphor	15086801	1
Caelo	Camphor	15062702	4
Caelo	Camphor	1480	2
Caelo	Camphor	14310705	8
Caelo	Camphor	13205522	1
Caelo	Camphor	13195314	3

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Supplier	Substance	Batch	Spectra
Caelo	Camphor	13195314	2
Caelo	Camphor	13195301	2
Caelo	Camphor	13108118	1
Caelo	Camphor	13108114	2
Caelo	Camphor	13108110	1
Caelo	Camphor	13195316	5
Caelo	Camphor	13205512	2
Caelo	Camphor	13205502	1
Caelo	Camphor	13205501	2
Caelo	Camphor	13195328	1
Caelo	Camphor	13195322	4
Caelo	Camphor	13195318	1
Caelo	Captopril	14B26-B40	1
Caelo	Captopril	15189517	1
Caelo	Captopril	14B26-B40-325275	1
Caelo	Captopril	15189514	3
Caelo	Captopril	14196901	1
Caelo	Captopril	12F29-N04	1
Caelo	Captopril	12339619	1
Caelo	Captopril	12339618	1
Caelo	Captopril	12339611	2
Caelo	Captopril	12339610	2
Caelo	Captopril	12339607	2
Caelo	Captopril	12339606	1
Caelo	Captopril	12339605	4
Caelo	Captopril	12339604	2
Caelo	Captopril	12339616	2
Caelo	Captopril	14196902	2
Caelo	Captopril	15189511	1
Caelo	Captopril	15189510	1
Caelo	Captopril	15189509	1
Caelo	Captopril	15189502	2
Caelo	Captopril	15189501	2
Caelo	Captopril	14B26-B01-310127	1
Caelo	Captopril	14196903	1
Caelo	Captopril	14196903	1
Caelo	Captopril	14196904	5
Caelo	Captopril	14196905	4
Caelo	Captopril	14196906	1
Caelo	Carbomer 35000 / 50000	11351618	1
Caelo	Carbomer 35000 / 50000	13186205	2
Caelo	Carbomer 35000 / 50000	13194511	1
Caelo	Carbomer 35000 / 50000	10157812	1
Caelo	Carbomer 35000 / 50000	11013605	1
Caelo	Carbomer 35000 / 50000	11013605	1
Caelo	Carbomer 35000 / 50000	15015702	1
Caelo	Carbomer 35000 / 50000	14149906	2
Caelo	Carbomer 35000 / 50000	13194512	1
Caelo	Carbomer 35000 / 50000	14149904	1
Caelo	Carbomer 35000 / 50000	14057902	1
Caelo	Carbomer 35000 / 50000	11013613	1
Caelo	Carbomer 35000 / 50000	12274912	5
Caelo	Carbomer 35000 / 50000	31631293	1
Caelo	Carbomer 35000 / 50000	2913M1232	1
Caelo	Carbomer 35000 / 50000	28111310	1
Caelo	Carbomer 35000 / 50000	13194507	1
Caelo	Carbomer 35000 / 50000	13194503	1
Caelo	Carbomer 35000 / 50000	11307511	1
Caelo	Carbomer 35000 / 50000	11351601	1
Caelo	Carbomer 35000 / 50000	11351623	1

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Supplier	Substance	Batch	Spectra
Caelo	Carbomer 35000 / 50000	12274914	4
Caelo	Carbomer 35000 / 50000	13186201	2
Caelo	Carbomer 35000 / 50000	13194501	1
Caelo	Carbomer 35000 / 50000	14016209	3
Caelo	Carbomer 35000 / 50000	14016208	7
Caelo	Carbomer 35000 / 50000	11351604	2
Caelo	Carbomer 35000 / 50000	14057903	2
Caelo	Carbomer 35000 / 50000	12274907	6
Caelo	Carbomer 35000 / 50000	12274910	3
Caelo	Carbomer 35000 / 50000	12274916	12
Caelo	Carbomer 35000 / 50000	12274922	2
Caelo	Carbomer 35000 / 50000	13186205	3
Caelo	Carbomer 35000 / 50000	13186207	2
Caelo	Carbomer 35000 / 50000	14149910	1
Caelo	Carbomer 35000 / 50000	15015709	2
Caelo	Carbomer 35000 / 50000	13194503	8
Caelo	Carbomer 35000 / 50000	15015703	2
Caelo	Carbomer 35000 / 50000	13194507	4
Caelo	Carbomer 35000 / 50000	13186207	2
Caelo	Carbomer 35000 / 50000	1308006-01	1
Caelo	Carbomer 35000 / 50000	2215M-01232	1
Caelo	Carbomer 35000 / 50000	11351618	4
Caelo	Carbomer 35000 / 50000	15439003	6
Caelo	Carbomer 35000 / 50000	15439002	2
Caelo	Carbomer 35000 / 50000	15101801	3
Caelo	Carbomer 35000 / 50000	12274907	2
Caelo	Carbomer 35000 / 50000	13194501	5
Caelo	Carbomer 35000 / 50000	15101802	3
Caelo	Carbomer 35000 / 50000	15101810	1
Caelo	Carbomer 35000 / 50000	13186203	3
Caelo	Carbomer 35000 / 50000	15257401	1
Caelo	Carbomer 35000 / 50000	15101807	1
Caelo	Carbomer 35000 / 50000	15101809	3
Caelo	Carbomer 35000 / 50000	12274908	1
Caelo	Carmellose sodium (40...	11124218	1
Caelo	Carmellose sodium (40...	913M-03302	1
Caelo	Carmellose sodium (40...	13104802	2
Caelo	Carmellose sodium (40...	12354418	1
Caelo	Carmellose sodium (40...	28051402	1
Caelo	Carmellose sodium (40...	15123908	2
Caelo	Carmellose sodium (40...	13299302	1
Caelo	Carmellose sodium (40...	12354403	1
Caelo	Carmellose sodium (40...	13104813	2
Caelo	Carmellose sodium (40...	12354416	2
Caelo	Carmellose sodium (40...	12354408	3
Caelo	Carmellose sodium (40...	12255708	1
Caelo	Carmellose sodium (40...	12079618	1
Caelo	Carmellose sodium (40...	12079615	1
Caelo	Carmellose sodium (40...	15123901	3
Caelo	Carmellose sodium (40...	13299302	1
Caelo	Carmellose sodium (40...	1315Q-03302	1
Caelo	Carmellose sodium (40...	13104810	2
Caelo	Carmellose sodium (40...	11124212	1
Caelo	Carmellose sodium (40...	11124211	1
Caelo	Carmellose sodium (40...	12354416	2
Caelo	Carmellose sodium (40...	14029201	1
Caelo	Carmellose sodium (40...	14149806	1
Caelo	Carmellose sodium (40...	14029211	1
Caelo	Carmellose sodium (40...	13G19-N02	1
Caelo	Centaury, cut	1212E-01629	1

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Supplier	Substance	Batch	Spectra
Caelo	Centaury, cut	12379601	1
Caelo	Centaury, cut	15224102	1
Caelo	Centaury, cut	1523	1
Caelo	Centaury, cut	11097609	6
Caelo	Centaury, cut	11097611	1
Caelo	Centaury, cut	12268601	3
Caelo	Centaury, cut	11097612	15
Caelo	Centaury, cut	11097608	1
Caelo	Centaury, cut	12268602	18
Caelo	Centaury, cut	11097605	3
Caelo	Centaury, cut	12268605	4
Caelo	Centaury, cut	11097602	2
Caelo	Centaury, cut	12268606	12
Caelo	Centaury, cut	8021302	1
Caelo	Centaury, cut	12268608	13
Caelo	Cetostearyl alcohol	14061317	1
Caelo	Cetostearyl alcohol	15272717	1
Caelo	Cetostearyl alcohol	15272709	2
Caelo	Cetostearyl alcohol	15272702	2
Caelo	Cetostearyl alcohol	1314405	1
Caelo	Cetostearyl alcohol	11K17-N02	1
Caelo	Cetostearyl alcohol	12021304	1
Caelo	Cetostearyl alcohol	12025301	2
Caelo	Cetostearyl alcohol	12065705	1
Caelo	Cetostearyl alcohol	12065709	1
Caelo	Cetostearyl alcohol	13018306	1
Caelo	Cetostearyl alcohol	15271405	1
Caelo	Cetostearyl alcohol	13018305	7
Caelo	Cetostearyl alcohol	13206206	4
Caelo	Cetostearyl alcohol	14054504	3
Caelo	Cetostearyl alcohol	14054504	1
Caelo	Cetostearyl alcohol	14054508	1
Caelo	Cetostearyl alcohol	14054508	2
Caelo	Cetostearyl alcohol	14158201	1
Caelo	Cetostearyl alcohol	14215007	6
Caelo	Cetostearyl alcohol	14346201	3
Caelo	Cetostearyl alcohol	15090701	2
Caelo	Cetostearyl alcohol	11302101	3
Caelo	Cetyl alcohol	1212E-01076	1
Caelo	Cetyl alcohol	14349101	10
Caelo	Cetyl alcohol	14262204	3
Caelo	Cetyl alcohol	14262204	3
Caelo	Cetyl alcohol	14141501	1
Caelo	Cetyl alcohol	13286502	2
Caelo	Cetyl alcohol	13286502	1
Caelo	Cetyl alcohol	12271103	6
Caelo	Cetyl alcohol	13210504	12
Caelo	Cetyl alcohol	P134/14	1
Caelo	Cetyl alcohol	15323301	2
Caelo	Cetyl alcohol	20250112-1	1
Caelo	Cetyl alcohol	13096904	2
Caelo	Cetyl alcohol	13096901	5
Caelo	Cetyl alcohol	12338604	6
Caelo	Cetyl alcohol	12018605	2
Caelo	Cetyl alcohol	15323301	1
Caelo	Cetyl alcohol	15323311	1
Caelo	Cetyl alcohol	11153416	1
Caelo	Cetyl alcohol	11320702	3
Caelo	Cetyl palmitate 15	12228808	5
Caelo	Cetyl palmitate 15	12228805	1

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Supplier	Substance	Batch	Spectra
Caelo	Cetyl palmitate 15	122228801/Int212191	1
Caelo	Cetyl palmitate 15	12082901	1
Caelo	Cetyl palmitate 15	12018204c	1
Caelo	Cetyl palmitate 15	12018215	1
Caelo	Cetyl palmitate 15	1228808	1
Caelo	Cetyl palmitate 15	30101301	1
Caelo	Cetyl palmitate 15	26071201	1
Caelo	Cetyl palmitate 15	14060709	1
Caelo	Cetyl palmitate 15	13131905	3
Caelo	Cetyl palmitate 15	1313190	1
Caelo	Cetyl palmitate 15	12D19-No2	1
Caelo	Cetyl palmitate 15	12331919	1
Caelo	Cetyl palmitate 15	12018204/Int212191	1
Caelo	Cetyl palmitate 15	14060705	5
Caelo	Cetyl palmitate 15	14060705	1
Caelo	Cetyl palmitate 15	14060706	3
Caelo	Cetyl palmitate 15	14060706	4
Caelo	Cetyl palmitate 15	14060709	2
Caelo	Cetyl palmitate 15	14213705	2
Caelo	Cetyl palmitate 15	14213709	1
Caelo	Cetyl palmitate 15	14213710	1
Caelo	Cetyl palmitate 15	14041505	1
Caelo	Cetyl palmitate 15	16053803	4
Caelo	Cetyl palmitate 15	14351602	2
Caelo	Cetyl palmitate 15	13131914	3
Caelo	Cetyl palmitate 15	13295919	15
Caelo	Cetyl palmitate 15	12331916	12
Caelo	Cetyl palmitate 15	13131911	2
Caelo	Cetyl palmitate 15	13295910	6
Caelo	Cetyl palmitate 15	11021502	1
Caelo	Cetyl palmitate 15	13131906	11
Caelo	Cetyl palmitate 15	14213710	1
Caelo	Cetyl palmitate 15	15301705	1
Caelo	Cetyl palmitate 15	15301709	3
Caelo	Cetyl palmitate 15	15301711	4
Caelo	Cetyl palmitate 15	15632	1
Caelo	Cetyl palmitate 15	16053805	2
Caelo	Cetyl palmitate 15	ch.b.15301705	1
Caelo	Cetyl palmitate 15	10068410	1
Caelo	Cetyl palmitate 15	11042019	2
Caelo	Cetyl palmitate 15	12018204	4
Caelo	Cetyl palmitate 15	15301704	2
Caelo	Cetyl palmitate 15	14351606	1
Caelo	Cetyl palmitate 15	14351609	2
Caelo	Cetyl palmitate 15	14351601	2
Caelo	Cetyl palmitate 15	14351612	7
Caelo	Cetyl palmitate 15	14351614	1
Caelo	Cetyl palmitate 15	15301701	1
Caelo	Cetyl palmitate 15	15301703	5
Caelo	Chelidonium majus her...	311092	1
Caelo	Chicory herb, cut	12369102	3
Caelo	Chicory herb, cut	12354306	1
Caelo	Chicory herb, cut	14031315	1
Caelo	Chicory herb, cut	nachprüfung	1
Caelo	Chicory herb, cut	12354304	1
Caelo	Chicory herb, cut	12034303	4
Caelo	Chicory herb, cut	12369101	4
Caelo	Chicory herb, cut	12354302	5
Caelo	Chicory herb, cut	12034301	4
Caelo	Chicory herb, cut	10325606	1

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Supplier	Substance	Batch	Spectra
Caelo	Chicory herb, cut	12034302	3
Caelo	Chicory root, cut	11374506	2
Caelo	Chicory root, cut	91338319	1
Caelo	Chicory root, cut	11374504	3
Caelo	Chicory root, cut	11081803	1
Caelo	Chicory root, cut	6221As101202	1
Caelo	Chicory root, cut	913Q-02134	1
Caelo	Chicory root, cut	11374510	2
Caelo	Chloral hydrate	15166501	1
Caelo	Chloral hydrate	14218704	3
Caelo	Chloral hydrate	14218705	3
Caelo	Chloral hydrate	14218709	3
Caelo	Chloral hydrate	14218712	2
Caelo	Chloral hydrate	14218713	1
Caelo	Chloral hydrate	14218714	2
Caelo	Chloral hydrate	13002405	1
Caelo	Chloral hydrate	14218701	2
Caelo	Chloral hydrate	3121403	1
Caelo	Chloral hydrate	13002417	3
Caelo	Chloral hydrate	13002425	2
Caelo	Chloral hydrate	13213311	1
Caelo	Chloral hydrate	1403815	1
Caelo	Chloral hydrate	14038301	4
Caelo	Chloral hydrate	14038306	1
Caelo	Chloral hydrate	14038311	3
Caelo	Chloral hydrate	15448303	1
Caelo	Chloral hydrate	15448306	1
Caelo	Chloral hydrate	15166513	1
Caelo	Chloral hydrate	15166508	2
Caelo	Chloral hydrate	15083703	5
Caelo	Chloral hydrate	15166507	1
Caelo	Chloral hydrate	15166506	3
Caelo	Chloral hydrate	15166505	4
Caelo	Chloral hydrate	15166503	2
Caelo	Chloral hydrate	15448312	2
Caelo	Chloral hydrate	12017512	2
Caelo	Chloral hydrate	12017518	1
Caelo	Chloral hydrate	13d22-n11	1
Caelo	Chloral hydrate	12017503	1
Caelo	Chloral hydrate	14101307	1
Caelo	Chloral hydrate	25021401	1
Caelo	Chloral hydrate	414061	1
Caelo	Chloral hydrate	17121402	1
Caelo	Chloramphenicol	1137714	1
Caelo	Chloramphenicol	12072606	1
Caelo	Chloramphenicol	1137004	1
Caelo	Chloramphenicol	11370717	2
Caelo	Chloramphenicol	1137070	1
Caelo	Chloramphenicol	11370702	5
Caelo	Chloramphenicol	11370703	6
Caelo	Chloramphenicol	11370707	1
Caelo	Chloramphenicol	11370713	3
Caelo	Chloramphenicol	11370714	2
Caelo	Chloramphenicol	11370715	1
Caelo	Chloramphenicol	11370716	5
Caelo	Chloramphenicol	11370705	5
Caelo	Chloramphenicol	130416-2	1
Caelo	Chloramphenicol	13080902	1
Caelo	Chloramphenicol	20102012J1	1
Caelo	Chloramphenicol	28011401	1

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Supplier	Substance	Batch	Spectra
Caelo	Chloramphenicol	4712Q-01259	1
Caelo	Chloramphenicol	70777297	1
Caelo	Chloramphenicol	3125204	1
Caelo	Chloramphenicol	130416-1	1
Caelo	Chloramphenicol	12101302	1
Caelo	Chloramphenicol	12248501	21
Caelo	Chloramphenicol	12248505	4
Caelo	Chloramphenicol	12248506	8
Caelo	Chloramphenicol	12248507	10
Caelo	Chloramphenicol	12248509	14
Caelo	Chloramphenicol	12g02n01	1
Caelo	Chloramphenicol	11031402	1
Caelo	Chloramphenicol	13080925	8
Caelo	Chloramphenicol	13A31-B02-286708	4
Caelo	Chloramphenicol	140704301	5
Caelo	Chloramphenicol	14346901	3
Caelo	Chloramphenicol	14346903	1
Caelo	Chloramphenicol	14346904	2
Caelo	Chloramphenicol	12248520	6
Caelo	Chloramphenicol	14346906	3
Caelo	Chloramphenicol	14346907	8
Caelo	Chloramphenicol	14346908	4
Caelo	Chloramphenicol	13080924	10
Caelo	Chloramphenicol	13080303	1
Caelo	Chloramphenicol	12248525	4
Caelo	Chloramphenicol	13080903	10
Caelo	Chloramphenicol	13080904	5
Caelo	Chloramphenicol	12248524	8
Caelo	Chloramphenicol	13080907	11
Caelo	Chloramphenicol	13080915	1
Caelo	Chloramphenicol	13080917	3
Caelo	Chloramphenicol	13080918	1
Caelo	Chloramphenicol	13080923	9
Caelo	Chloramphenicol	1203012-02	16
Caelo	Chloramphenicol	15358905	3
Caelo	Chloramphenicol	15358907	1
Caelo	Chloramphenicol	1602002-01	5
Caelo	Chloramphenicol	4412Q-01259	1
Caelo	Chloramphenicol	310311	1
Caelo	Chloramphenicol	9323807	1
Caelo	Chloramphenicol	10341703	1
Caelo	Chloramphenicol	10341707	1
Caelo	Chloramphenicol	10341717	1
Caelo	Chloramphenicol	10341711	2
Caelo	Chloramphenicol	14346924	1
Caelo	Chloramphenicol	14346912	3
Caelo	Chloramphenicol	11370711	20
Caelo	Chloramphenicol	14346913	3
Caelo	Chloramphenicol	14346914	2
Caelo	Chloramphenicol	14346917	2
Caelo	Chloramphenicol	14346922	1
Caelo	Chloramphenicol	14346911	5
Caelo	Chloramphenicol	3081602	1
Caelo	Chloramphenicol	93323801	1
Caelo	Chloramphenicol	14346918	8
Caelo	Chloramphenicol	11370706	3
Caelo	Chlorhexidine diacetate	10154412	1
Caelo	Chlorhexidine diacetate	10154424	1
Caelo	Chlorhexidine diacetate	10154429	1
Caelo	Chlorhexidine diacetate	1091139389	1

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Supplier	Substance	Batch	Spectra
Caelo	Chlorhexidine diacetate	11204407	1
Caelo	Chlorhexidine diacetate	11204405	2
Caelo	Chlorhexidine diacetate	15261009	1
Caelo	Chlorhexidine diacetate	15261012	1
Caelo	Chlorhexidine diacetate	15261014	6
Caelo	Chlorhexidine diacetate	15438903	2
Caelo	Chlorhexidine diacetate	9113903	1
Caelo	Chlorhexidine diacetate	10154407	1
Caelo	Chlorhexidine diacetate	11204408	4
Caelo	Chlorhexidine diacetate	12177505	8
Caelo	Chlorhexidine diacetate	12177510	11
Caelo	Chlorhexidine diacetate	123456	1
Caelo	Chlorhexidine diacetate	1242720	1
Caelo	Chlorhexidine diacetate	1602211263	1
Caelo	Chlorhexidine diacetate	1214726	1
Caelo	Chlorhexidine diacetate	12177504	1
Caelo	Chlorhexidine diacetate	12142702	3
Caelo	Chlorhexidine diacetate	12142705	3
Caelo	Chlorhexidine diacetate	12142709	2
Caelo	Chlorhexidine diacetate	12142715	2
Caelo	Chlorhexidine diacetate	12142720	12
Caelo	Chlorhexidine diacetate	12177502	1
Caelo	Chlorhexidine diacetate	12177503	1
Caelo	Chlorhexidine diacetate	15261009	6
Caelo	Chlorhexidine diacetate	13177001	2
Caelo	Chlorhexidine diacetate	13177002	10
Caelo	Chlorhexidine diacetate	13177007	12
Caelo	Chlorhexidine diacetate	13177007	2
Caelo	Chlorhexidine diacetate	13177008	1
Caelo	Chlorhexidine diacetate	13177008	1
Caelo	Chlorhexidine diacetate	12142734	1
Caelo	Chlorhexidine diacetate	9113904	2
Caelo	Chlorhexidine diacetate	11204406	2
Caelo	Chlorhexidine diacetate	12142725	6
Caelo	Chlorhexidine diacetate	12142726	10
Caelo	Chlorhexidine diacetate	12142727	8
Caelo	Chlorhexidine diacetate	12142734	12
Caelo	Chlorhexidine diacetate	13177009	3
Caelo	Chlorhexidine diacetate	15261007	1
Caelo	Chlorhexidine diacetate	15261007	4
Caelo	Chlorhexidine diacetate	15261005	2
Caelo	Chlorhexidine diacetate	15261003	4
Caelo	Chlorhexidine diacetate	13177024	2
Caelo	Chlorhexidine diacetate	13177024	1
Caelo	Chlorhexidine diacetate	13177022	2
Caelo	Chlorhexidine diacetate	13177021	4
Caelo	Chlorhexidine diacetate	13177021	5
Caelo	Chlorocresol	12111017	3
Caelo	Chlorocresol	13275117	1
Caelo	Chlorocresol	15114103	1
Caelo	Chlorocresol	7061304	1
Caelo	Chlorocresol	10145239	4
Caelo	Chlorocresol	23415422	1
Caelo	Chlorocresol	12111013	2
Caelo	Chlorocresol	2041513	1
Caelo	Chlortetracycline hyd...	1412008-01	2
Caelo	Chlortetracycline hyd...	14J08-B07-300249	1
Caelo	Chlortetracycline hyd...	16B10-B09-318088	4
Caelo	Chlortetracycline hyd...	FC13030134	1
Caelo	Cholesterol	13148704	1

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Supplier	Substance	Batch	Spectra
Caelo	Cholesterol	11242103	1
Caelo	Cholesterol	14122501	2
Caelo	Cholesterol	14027201	1
Caelo	Cholesterol	13056903	1
Caelo	Cholesterol	12155605	2
Caelo	Cholesterol	15G31-B05-312376	1
Caelo	Cholesterol	15028303	1
Caelo	Cholesterol	14208602	1
Caelo	Cholesterol	15407101	2
Caelo	Cholesterol	15358801	5
Caelo	Cholesterol	12248403	1
Caelo	Ciclopirox olamine	15018803	1
Caelo	Ciclopirox olamine	15018802	2
Caelo	Ciclopirox olamine	14378810	1
Caelo	Ciclopirox olamine	14378809	1
Caelo	Ciclopirox olamine	14378806	2
Caelo	Ciclopirox olamine	14378805	2
Caelo	Ciclopirox olamine	14378804	2
Caelo	Ciclopirox olamine	14378803	1
Caelo	Ciclopirox olamine	15364401	1
Caelo	Ciclopirox olamine	13343209	1
Caelo	Ciclopirox olamine	13343202	1
Caelo	Ciclopirox olamine	13343201	1
Caelo	Ciclopirox olamine	13343	1
Caelo	Ciclopirox olamine	12040906	1
Caelo	Ciclopirox olamine	12040903	1
Caelo	Ciclopirox olamine	15364407	1
Caelo	Ciclopirox olamine	15364405	1
Caelo	Ciclopirox olamine	15364402	1
Caelo	Ciclopirox olamine	14378802	1
Caelo	Ciclopirox olamine	13343205	2
Caelo	Ciclopirox olamine	13343207	1
Caelo	Ciclopirox olamine	13343208	2
Caelo	Ciclopirox olamine	13343208	3
Caelo	Ciclopirox olamine	13343209	2
Caelo	Ciclopirox olamine	14147402	3
Caelo	Ciclopirox olamine	14378801	3
Caelo	Ciclopirox olamine	14275802	2
Caelo	Ciclopirox olamine	14275801	2
Caelo	Ciclopirox olamine	14147405	1
Caelo	Ciclopirox olamine	14147405	1
Caelo	Ciclopirox olamine	14147402	2
Caelo	Ciclosporin	12317703	1
Caelo	Ciclosporin	12317702	5
Caelo	Ciclosporin	123117702	1
Caelo	Ciclosporin	12165603	2
Caelo	Ciclosporin	12165602	3
Caelo	Ciclosporin	15278901	2
Caelo	Ciclosporin	12317707	2
Caelo	Ciclosporin	19011301	1
Caelo	Ciclosporin	14A15-No1	1
Caelo	Ciclosporin	13346803	2
Caelo	Ciclosporin	13148606	2
Caelo	Ciclosporin	13031303	1
Caelo	Ciclosporin	12E31-N02	12
Caelo	Ciclosporin	12317707	1
Caelo	Ciclosporin	15049703	3
Caelo	Ciclosporin	13346803	2
Caelo	Ciclosporin	13148606	1
Caelo	Ciclosporin	13148606	3

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Supplier	Substance	Batch	Spectra
Caelo	Ciclosporin	13346803	1
Caelo	Ciclosporin	13346808	1
Caelo	Ciclosporin	13D26-N07	3
Caelo	Ciclosporin	13D26-N07	2
Caelo	Ciclosporin	14199104	3
Caelo	Cinnamon rods (Ceylon...	13231601	2
Caelo	Cinnamon rods (Ceylon...	12148904	1
Caelo	Citric acid monohydrate	1212937	1
Caelo	Citric acid monohydrate	1215907	1
Caelo	Citric acid monohydrate	13069110	4
Caelo	Citric acid monohydrate	13069111	5
Caelo	Citric acid monohydrate	13069124	5
Caelo	Citric acid monohydrate	13069128	4
Caelo	Citric acid monohydrate	1215911	1
Caelo	Citric acid monohydrate	13069125	2
Caelo	Citric acid monohydrate	12125937	4
Caelo	Citric acid monohydrate	13069105	3
Caelo	Citric acid monohydrate	13069103	2
Caelo	Citric acid monohydrate	15087503	1
Caelo	Citric acid monohydrate	13069126	1
Caelo	Citric acid monohydrate	13069106	1
Caelo	Citric acid monohydrate	13069129	2
Caelo	Citric acid monohydrate	15087510	1
Caelo	Citric acid monohydrate	15087509	4
Caelo	Citric acid monohydrate	15087502	2
Caelo	Citric acid monohydrate	14038401	9
Caelo	Citric acid monohydrate	14038403	2
Caelo	Citric acid monohydrate	14311813	1
Caelo	Citric acid monohydrate	14311812	2
Caelo	Citric acid monohydrate	15185302	3
Caelo	Citric acid monohydrate	13069130	1
Caelo	Citric acid monohydrate	12125938	1
Caelo	Citric acid monohydrate	12125904	2
Caelo	Citric acid monohydrate	11208133	1
Caelo	Citric acid monohydrate	11208132	5
Caelo	Citric acid monohydrate	11208130	5
Caelo	Citric acid monohydrate	11041413	1
Caelo	Citric acid monohydrate	2515Q-02959	1
Caelo	Citric acid monohydrate	13069133	5
Caelo	Citric acid monohydrate	13069113	2
Caelo	Citric acid monohydrate	13069104	6
Caelo	Citric acid monohydrate	12125907	7
Caelo	Citric acid monohydrate	14311808	4
Caelo	Citric acid monohydrate	15185301	1
Caelo	Citric acid monohydrate	14311807	2
Caelo	Citric acid monohydrate	15185309	1
Caelo	Citric acid monohydrate	P135/14	1
Caelo	Citric acid monohydrate	15185304	6
Caelo	Citric acid monohydrate	15087512	1
Caelo	Citric acid monohydrate	15185317	1
Caelo	Citric acid, anhydrous	24021502	1
Caelo	Citric acid, anhydrous	27091303	1
Caelo	Citric acid, anhydrous	26111301	1
Caelo	Citric acid, anhydrous	11159816	1
Caelo	Citric acid, anhydrous	12156818	1
Caelo	Citric acid, anhydrous	12156827	1
Caelo	Citric acid, anhydrous	12B01No1	1
Caelo	Citric acid, anhydrous	12043114	2
Caelo	Citric acid, anhydrous	12043118	5
Caelo	Citric acid, anhydrous	11189817	1

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Supplier	Substance	Batch	Spectra
Caelo	Citric acid, anhydrous	12043120	5
Caelo	Citric acid, anhydrous	11159817	4
Caelo	Citric acid, anhydrous	11159821	3
Caelo	Citric acid, anhydrous	12156822	1
Caelo	Citric acid, anhydrous	12156812	7
Caelo	Citric acid, anhydrous	12156804	4
Caelo	Citric acid, anhydrous	11159824	1
Caelo	Citric acid, anhydrous	27091304	1
Caelo	Citric acid, anhydrous	12156803	8
Caelo	Citric acid, anhydrous	12156801	1
Caelo	Citric acid, anhydrous	12043124	3
Caelo	Citric acid, anhydrous	12043123	10
Caelo	Citric acid, anhydrous	12043119	1
Caelo	Citric acid, anhydrous	11380208	1
Caelo	Citric acid, anhydrous	11380212	1
Caelo	Citric acid, anhydrous	10182419	1
Caelo	Citric acid, anhydrous	11011310	1
Caelo	Citric acid, anhydrous	11025514	1
Caelo	Citric acid, anhydrous	11066806	1
Caelo	Citric acid, anhydrous	11126911	1
Caelo	Citric acid, anhydrous	11380205	1
Caelo	Citric acid, anhydrous	261BE-01024	1
Caelo	Citric acid, anhydrous	11041410	1
Caelo	Citric acid, anhydrous	11126909	1
Caelo	Citric acid, anhydrous	11066805	1
Caelo	Citric acid, anhydrous	11380206	1
Caelo	Citric acid, anhydrous	12043113	8
Caelo	Citric acid, anhydrous	12043110	5
Caelo	Citric acid, anhydrous	12043109	1
Caelo	Citric acid, anhydrous	11126904	1
Caelo	Citric acid, anhydrous	11159801	2
Caelo	Citric acid, anhydrous	11K11-N02	3
Caelo	Citric acid, anhydrous	113802013	1
Caelo	Citric acid, anhydrous	11380213	1
Caelo	Citric acid, anhydrous	11380215	4
Caelo	Citric acid, anhydrous	11178304	1
Caelo	Citric acid, anhydrous	11126901	2
Caelo	Citric acid, anhydrous	11C24-N03	1
Caelo	Citric acid, anhydrous	12043101	1
Caelo	Citric acid, anhydrous	12043105	3
Caelo	Citric acid, anhydrous	11380204	4
Caelo	Citric acid, anhydrous	16038704	3
Caelo	Citric acid, anhydrous	16004705	3
Caelo	Citric acid, anhydrous	16004701	4
Caelo	Citric acid, anhydrous	15087903	6
Caelo	Citric acid, anhydrous	12043111	2
Caelo	Citric acid, anhydrous	CH:003/0913	1
Caelo	Citric acid, anhydrous	CH12043112	1
Caelo	Citric acid, anhydrous	L130404202	1
Caelo	Citric acid, anhydrous	13A04-N04	21
Caelo	Citric acid, anhydrous	13050623-3376319052	1
Caelo	Citric acid, anhydrous	13050617	14
Caelo	Citric acid, anhydrous	12156824	6
Caelo	Citric acid, anhydrous	15063213	10
Caelo	Citric acid, anhydrous	13243219	4
Caelo	Citric acid, anhydrous	13243218	4
Caelo	Citric acid, anhydrous	13243216	9
Caelo	Citric acid, anhydrous	13243214	14
Caelo	Citric acid, anhydrous	13243213	10
Caelo	Citric acid, anhydrous	13243201	14

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Supplier	Substance	Batch	Spectra
Caelo	Citric acid, anhydrous	13243224	2
Caelo	Citric acid, anhydrous	15063204	4
Caelo	Citric acid, anhydrous	15063003	6
Caelo	Citric acid, anhydrous	14186312	12
Caelo	Citric acid, anhydrous	A-040513-1	1
Caelo	Citric acid, anhydrous	13396515	4
Caelo	Citric acid, anhydrous	13396506	1
Caelo	Citric acid, anhydrous	13243229	1
Caelo	Citric acid, anhydrous	713I-01024	1
Caelo	Citric acid, anhydrous	13050604	16
Caelo	Citric acid, anhydrous	13050606	2
Caelo	Citric acid, anhydrous	13050607	11
Caelo	Citric acid, anhydrous	13050610	4
Caelo	Citric acid, anhydrous	13050611	5
Caelo	Citric acid, anhydrous	13050613	15
Caelo	Citric acid, anhydrous	13050601	11
Caelo	Citric acid, anhydrous	28021405	1
Caelo	Citric acid, anhydrous	12156823	6
Caelo	Citric acid, anhydrous	12156830	1
Caelo	Citric acid, anhydrous	121568704	1
Caelo	Citric acid, anhydrous	12175708	2
Caelo	Citric acid, anhydrous	12175709	1
Caelo	Citric acid, anhydrous	12F06-M06	4
Caelo	Citric acid, anhydrous	13050614	9
Caelo	Citric acid, anhydrous	13804-N01	1
Caelo	Citric acid, anhydrous	13G24-N13	8
Caelo	Citric acid, anhydrous	17071301	1
Caelo	Citric acid, anhydrous	19041304	1
Caelo	Citric acid, anhydrous	19041305	1
Caelo	Citric acid, anhydrous	20060912-3	1
Caelo	Citric acid, anhydrous	20151112-1	1
Caelo	Citric acid, anhydrous	13175414	2
Caelo	Citric acid, anhydrous	13050618	4
Caelo	Citric acid, anhydrous	13050621	3
Caelo	Citric acid, anhydrous	13050623	2
Caelo	Citric acid, anhydrous	13050624	1
Caelo	Citric acid, anhydrous	1305601	1
Caelo	Citric acid, anhydrous	13157404	1
Caelo	Citric acid, anhydrous	13175402	3
Caelo	Citric acid, anhydrous	10182417	1
Caelo	Citric acid, anhydrous	14041506	1
Caelo	Citric acid, anhydrous	13K18-B34-288371TEST	1
Caelo	Citric acid, anhydrous	13G24N13	2
Caelo	Citric acid, anhydrous	13D29-N02	1
Caelo	Citric acid, anhydrous	13396504	1
Caelo	Citric acid, anhydrous	13243225	5
Caelo	Citric acid, anhydrous	13243221	7
Caelo	Citric acid, anhydrous	13243220	2
Caelo	Citric acid, anhydrous	13243217	6
Caelo	Citric acid, anhydrous	14071501	1
Caelo	Citric acid, anhydrous	15044904	5
Caelo	Citric acid, anhydrous	15044903	5
Caelo	Citric acid, anhydrous	15044902	4
Caelo	Citric acid, anhydrous	15044901	3
Caelo	Citric acid, anhydrous	14G04-B09-293876	4
Caelo	Citric acid, anhydrous	14E06-B07	1
Caelo	Citric acid, anhydrous	14186314	3
Caelo	Citric acid, anhydrous	14186313	3
Caelo	Citric acid, anhydrous	14186302	6
Caelo	Citric acid, anhydrous	14186301	9

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Supplier	Substance	Batch	Spectra
Caelo	Citric acid, anhydrous	13243210	8
Caelo	Citric acid, anhydrous	13175406	1
Caelo	Citric acid, anhydrous	12175711	5
Caelo	Citric acid, anhydrous	13175405	8
Caelo	Citric acid, anhydrous	13175404	6
Caelo	Citric acid, anhydrous	13175403	18
Caelo	Citric acid, anhydrous	13061502	1
Caelo	Citric acid, anhydrous	13050622	7
Caelo	Citric acid, anhydrous	13031502	1
Caelo	Citric acid, anhydrous	12175718	1
Caelo	Citric acid, anhydrous	12175716	4
Caelo	Citric acid, anhydrous	13175409	23
Caelo	Citric acid, anhydrous	13243208	2
Caelo	Citric acid, anhydrous	13243202	8
Caelo	Citric acid, anhydrous	13243005	1
Caelo	Citric acid, anhydrous	13242225	1
Caelo	Citric acid, anhydrous	13175426	3
Caelo	Citric acid, anhydrous	13175411	11
Caelo	Citric acid, anhydrous	13175410	4
Caelo	Citric acid, anhydrous	12156811	13
Caelo	Citric acid, anhydrous	12156832	10
Caelo	Citric acid, anhydrous	11178303	3
Caelo	Citric acid, anhydrous	15044905	4
Caelo	Citric acid, anhydrous	16038608	2
Caelo	Citric acid, anhydrous	16038606	2
Caelo	Citric acid, anhydrous	16038604	5
Caelo	Citric acid, anhydrous	133243218	1
Caelo	Citric acid, anhydrous	13243222	1
Caelo	Citric acid, anhydrous	16038602	2
Caelo	Citric acid, anhydrous	16004706	2
Caelo	Citric acid, anhydrous	15088017	1
Caelo	Citric acid, anhydrous	15063217	1
Caelo	Citric acid, anhydrous	16038707	2
Caelo	Citric acid, anhydrous	1512402	1
Caelo	Citric acid, anhydrous	15091401	1
Caelo	Citric acid, anhydrous	15063205	1
Caelo	Citric acid, anhydrous	10109202	1
Caelo	Citric acid, anhydrous	10049716	1
Caelo	Citric acid, anhydrous	9199105	1
Caelo	Citric acid, anhydrous	9158408	1
Caelo	Citric acid, anhydrous	2071303	1
Caelo	Citric acid, anhydrous	1081203	1
Caelo	Citric acid, anhydrous		2
Caelo	Citric acid, anhydrous	15063214	1
Caelo	Citric acid, anhydrous	15088016	2
Caelo	Citric acid, anhydrous	15063001	1
Caelo	Citric acid, anhydrous	15063006	3
Caelo	Citric acid, anhydrous	15063206	10
Caelo	Citric acid, anhydrous	15063211	1
Caelo	Citric acid, anhydrous	15087510	1
Caelo	Citric acid, anhydrous	15087902	2
Caelo	Citric acid, anhydrous	11380217	2
Caelo	Citric acid, anhydrous	15124301	6
Caelo	Citric acid, anhydrous	18091409	1
Caelo	Citric acid, anhydrous	28051401	1
Caelo	Citric acid, anhydrous	1015U-01024	1
Caelo	Citric acid, anhydrous	1396505	1
Caelo	Citric acid, anhydrous	14G04B09293877	1
Caelo	Citric acid, anhydrous	15063203	2
Caelo	Citric acid, anhydrous	1604701	1

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Supplier	Substance	Batch	Spectra
Caelo	Citric acid, anhydrous	15124303	1
Caelo	Citric acid, anhydrous	16004702	6
Caelo	Clindamycin hydrochlo...	151003801	1
Caelo	Clindamycin hydrochlo...	14K04B05309851	1
Caelo	Clindamycin hydrochlo...	P-003-WS10100301	1
Caelo	Clindamycin-2-dihydro...	14257305	1
Caelo	Clioquinol	13F12-N20	4
Caelo	Clioquinol	1405080031	1
Caelo	Clioquinol	13114404	3
Caelo	Clioquinol	13114406	1
Caelo	Clioquinol	13114410	2
Caelo	Clioquinol	1214I02562	1
Caelo	Clioquinol	1201034-01	10
Caelo	Clioquinol	13114413	8
Caelo	Clioquinol	13A29-N07	6
Caelo	Clioquinol	13114427	3
Caelo	Clioquinol	13114424	7
Caelo	Clioquinol	13114423	9
Caelo	Clioquinol	13114418	7
Caelo	Clioquinol	13114417	10
Caelo	Clioquinol	14353120	1
Caelo	Clioquinol	16021505	1
Caelo	Clioquinol	2814M-02562	1
Caelo	Clioquinol	3513I-02562	1
Caelo	Clioquinol	3713A2562	1
Caelo	Clioquinol	4613E2562	1
Caelo	Clioquinol	5213A2562	1
Caelo	Clioquinol		1
Caelo	Clioquinol	14359120	5
Caelo	Clioquinol	14359102	6
Caelo	Clioquinol	14359107	1
Caelo	Clioquinol	14359111	10
Caelo	Clioquinol	14359112	8
Caelo	Clioquinol	14359113	1
Caelo	Clioquinol	14359117	3
Caelo	Clioquinol	14359119	2
Caelo	Clioquinol	11B11-N19	1
Caelo	Clioquinol	11304103	2
Caelo	Clioquinol	11304102	10
Caelo	Clioquinol	1130312	1
Caelo	Clioquinol	10341608	2
Caelo	Clioquinol	10341605	4
Caelo	Clioquinol	5031302	1
Caelo	Clioquinol	3041409	1
Caelo	Clioquinol	10341510	1
Caelo	Clioquinol	130114-02	1
Caelo	Clioquinol	11304105	5
Caelo	Clioquinol	11304124	13
Caelo	Clioquinol	11304120	16
Caelo	Clioquinol	130900903	1
Caelo	Clioquinol	11304119	4
Caelo	Clioquinol	11304117	11
Caelo	Clioquinol	11304116	4
Caelo	Clioquinol	11304109	2
Caelo	Clioquinol	11304111	4
Caelo	Clioquinol	11304107	7
Caelo	Clioquinol	11304112	8
Caelo	Clioquinol	11304113	4
Caelo	Clobetasol propionate	15439504	3
Caelo	Clobetasol propionate	15439507	1

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Supplier	Substance	Batch	Spectra
Caelo	Clobetasol propionate	160602201	1
Caelo	Clobetasol propionate	16106702	1
Caelo	Clobetasol propionate	1616703	1
Caelo	Clobetasol propionate	2014E-02835	1
Caelo	Clobetasol propionate	2185	1
Caelo	Clobetasol propionate	11300703	6
Caelo	Clobetasol propionate	11300702	7
Caelo	Clobetasol propionate	15439503	9
Caelo	Clobetasol propionate	15439502	3
Caelo	Clobetasol propionate	15246001	3
Caelo	Clobetasol propionate	1524003	1
Caelo	Clobetasol propionate	15234009	1
Caelo	Clobetasol propionate	15234004	11
Caelo	Clobetasol propionate	15234003	7
Caelo	Clobetasol propionate	15234002	3
Caelo	Clobetasol propionate	15234001	3
Caelo	Clobetasol propionate	152340004	1
Caelo	Clobetasol propionate	12107601	4
Caelo	Clobetasol propionate	11101315	2
Caelo	Clobetasol propionate	5071301	1
Caelo	Clobetasol propionate	1004212835	1
Caelo	Clobetasol propionate	11300704	2
Caelo	Clobetasol propionate	12342302	1
Caelo	Clobetasol propionate	12342312	1
Caelo	Clobetasol propionate	36/AKD2	1
Caelo	Clobetasol propionate	31071302	1
Caelo	Clobetasol propionate	24081302	1
Caelo	Clobetasol propionate	15031401	1
Caelo	Clobetasol propionate	13134703	3
Caelo	Clobetasol propionate	14102416	1
Caelo	Clobetasol propionate	3012Q02835	1
Caelo	Clobetasol propionate	12107602	2
Caelo	Clobetasol propionate	12107604	2
Caelo	Clobetasol propionate	12107606	3
Caelo	Clobetasol propionate	12107607	9
Caelo	Clobetasol propionate	12107608	2
Caelo	Clobetasol propionate	12107609	8
Caelo	Clobetasol propionate	23111202	1
Caelo	Clobetasol propionate	20121012-4	1
Caelo	Clobetasol propionate	13134702	8
Caelo	Clobetasol propionate	12342308	1
Caelo	Clobetasol propionate	12342306	10
Caelo	Clobetasol propionate	12342303	2
Caelo	Clobetasol propionate	1438007	1
Caelo	Clobetasol propionate	13269505	1
Caelo	Clobetasol propionate	13269507	3
Caelo	Clobetasol propionate	13269508	13
Caelo	Clobetasol propionate	13269509	1
Caelo	Clobetasol propionate	13269510	2
Caelo	Clobetasol propionate	1369504	1
Caelo	Clobetasol propionate	13K08-B30-287728	5
Caelo	Clobetasol propionate	13269502	2
Caelo	Clobetasol propionate	11300707	4
Caelo	Clobetasol propionate	121102104	1
Caelo	Clobetasol propionate	12342309	15
Caelo	Clobetasol propionate	123645	1
Caelo	Clobetasol propionate	13134701	15
Caelo	Clobetasol propionate	13134704	4
Caelo	Clobetasol propionate	13134705	7
Caelo	Clobetasol propionate	13269501	3

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Supplier	Substance	Batch	Spectra
Caelo	Clobetasol propionate	13k08b30287730	1
Caelo	Clobetasol propionate	14338006	6
Caelo	Clobetasol propionate	14338005	1
Caelo	Clobetasol propionate	14338008	1
Caelo	Clobetasol propionate	14338007	4
Caelo	Clobetasol propionate	14338001	7
Caelo	Clobetasol propionate	14188503	10
Caelo	Clobetasol propionate	14188506	1
Caelo	Clobetasol propionate	14188501	3
Caelo	Clobetasol propionate	14188502	5
Caelo	Clobetasol propionate	14188504	6
Caelo	Clotrimazole	13224212	8
Caelo	Clotrimazole	13224211	5
Caelo	Clotrimazole	13224210	11
Caelo	Clotrimazole	14C04-B32-291657	1
Caelo	Clotrimazole	15395605	3
Caelo	Clotrimazole	13224219	7
Caelo	Clotrimazole	13224218	8
Caelo	Clotrimazole	15395602	4
Caelo	Clotrimazole	15395603	2
Caelo	Clotrimazole	13224216	9
Caelo	Clotrimazole	15395604	6
Caelo	Clotrimazole	13224215	3
Caelo	Clotrimazole	13224217	9
Caelo	Clotrimazole	153965604	1
Caelo	Clotrimazole	1306036-01	56
Caelo	Clotrimazole	12159902	15
Caelo	Clotrimazole	108/AKD1	1
Caelo	Clotrimazole	15G14-B05-311101	1
Caelo	Clotrimazole	15G14-B05-316483	1
Caelo	Clotrimazole	16234504	2
Caelo	Clotrimazole	15395618	1
Caelo	Clotrimazole	13224204	2
Caelo	Clotrimazole	15395611	4
Caelo	Clotrimazole	15395613	1
Caelo	Clotrimazole	132234216	1
Caelo	Clotrimazole	15395614	1
Caelo	Clotrimazole	15395615	1
Caelo	Clotrimazole	1309034-C1	1
Caelo	Clotrimazole	13224220	2
Caelo	Clotrimazole	14337815	3
Caelo	Clotrimazole	14337813	4
Caelo	Clotrimazole	14337830	1
Caelo	Clotrimazole	14c04-b30-291656	1
Caelo	Clotrimazole	14c04-B31	1
Caelo	Clotrimazole	14337812	3
Caelo	Clotrimazole	14337816	5
Caelo	Clotrimazole	14337819	4
Caelo	Clotrimazole	14337824	1
Caelo	Clotrimazole	14337828	6
Caelo	Clotrimazole	14337818	6
Caelo	Clotrimazole	14337829	13
Caelo	Clotrimazole	14337817	9
Caelo	Clotrimazole	14337811	5
Caelo	Clotrimazole	14C04-B31-299955	2
Caelo	Clotrimazole	14144911	6
Caelo	Clotrimazole	14144905	14
Caelo	Clotrimazole	13324204	1
Caelo	Clotrimazole	13224225	3
Caelo	Clotrimazole	13224221	1

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Supplier	Substance	Batch	Spectra
Caelo	Clotrimazole	14144912	3
Caelo	Clotrimazole	14337809	9
Caelo	Clotrimazole	14337807	6
Caelo	Clotrimazole	14337802	6
Caelo	Clotrimazole	14337801	10
Caelo	Clotrimazole	14144918	10
Caelo	Clotrimazole	14144917	6
Caelo	Clotrimazole	14144913	2
Caelo	Clotrimazole	17011601	1
Caelo	Clotrimazole	B: 1024305	1
Caelo	Clotrimazole	700135-0006	1
Caelo	Clotrimazole	412091-2-P	1
Caelo	Clotrimazole	3513M-01276	1
Caelo	Clotrimazole	26071305	1
Caelo	Clotrimazole	12320814	10
Caelo	Clotrimazole	B: 1024705	1
Caelo	Clotrimazole	12320805	4
Caelo	Clotrimazole	12320806	6
Caelo	Clotrimazole	12320807	4
Caelo	Clotrimazole	12320808	9
Caelo	Clotrimazole	12320809	3
Caelo	Clotrimazole	12320813	3
Caelo	Clotrimazole	12320815	4
Caelo	Clotrimazole	12B27-N05	6
Caelo	Clotrimazole	13148007	1
Caelo	Clotrimazole	13184103	14
Caelo	Clotrimazole	13184105	16
Caelo	Clotrimazole	13184111	8
Caelo	Clotrimazole	131841111	1
Caelo	Clotrimazole	1259913	1
Caelo	Clotrimazole	1234567	1
Caelo	Clotrimazole	20130207	1
Caelo	Clotrimazole	20111115	3
Caelo	Clotrimazole	14337827	1
Caelo	Clotrimazole	13224201	20
Caelo	Clotrimazole	13184113	3
Caelo	Clotrimazole	14C04B31-299954	1
Caelo	Clotrimazole	11081201	1
Caelo	Clotrimazole	11/22-N10	1
Caelo	Clotrimazole	10247328	4
Caelo	Clotrimazole		3
Caelo	Clotrimazole	1882321	1
Caelo	Clotrimazole	311111	1
Caelo	Clotrimazole	Fagron	1
Caelo	Clotrimazole	ch.-b.15395611	1
Caelo	Clotrimazole	418072-1-P	1
Caelo	Clotrimazole	415050-2-P	1
Caelo	Clotrimazole	11305505	2
Caelo	Clotrimazole	1230809	1
Caelo	Clotrimazole	12159916	6
Caelo	Clotrimazole	12159913	9
Caelo	Clotrimazole	12159911	3
Caelo	Clotrimazole	12159904	3
Caelo	Clotrimazole	11305507	2
Caelo	Clotrimazole	11305506	3
Caelo	Clotrimazole	11-K21-N19	1
Caelo	Cocaine hydrochloride	12329103	1
Caelo	Cocaine hydrochloride	C17H22ClN04	1
Caelo	Cocaine hydrochloride	13259306	1
Caelo	Cocaine hydrochloride	14069209	1

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Supplier	Substance	Batch	Spectra
Caelo	Cocaine hydrochloride	13112102	1
Caelo	Cocoa bark, cut	nachprüfung	1
Caelo	Cocoa bark, cut	12126901	1
Caelo	Cocoa bark, cut	12126905	2
Caelo	Cocoa bark, cut	12126907	1
Caelo	Cocoa bark, cut	12126910	1
Caelo	Cocoa bark, cut	19011303	1
Caelo	Cocoa bark, cut	1216907	1
Caelo	Cocoa butter	12040802	1
Caelo	Cocoa butter	11117816	3
Caelo	Cocoa butter	11079612	2
Caelo	Cocoa butter	14348906	7
Caelo	Cocoa butter	14348908	1
Caelo	Cocoa butter	15088903	1
Caelo	Cocoa butter	15088904	1
Caelo	Cocoa butter	12342003	8
Caelo	Cocoa butter	13027221	6
Caelo	Cocoa butter	13292007	11
Caelo	Cocoa butter	13292011	3
Caelo	Cocoa butter	13292012	3
Caelo	Cocoa butter	13292013	7
Caelo	Cocoa butter	14045104	21
Caelo	Cocoa butter	14123611	5
Caelo	Cocoa butter	14123617	3
Caelo	Cocoa butter	14123620	3
Caelo	Cocoa butter	11034718	1
Caelo	Cocoa butter	12270203	5
Caelo	Cocoa butter	12270205	5
Caelo	Cocoa butter	12270206	11
Caelo	Cocoa butter	12270209	1
Caelo	Cocoa butter	12270210	2
Caelo	Cocoa butter	12270212	10
Caelo	Cocoa butter	11117820	1
Caelo	Cocoa butter	11117813	3
Caelo	Cocoa butter	12270202	26
Caelo	Cocoa butter	12270201	2
Caelo	Cocoa butter	13027207	6
Caelo	Cocoa butter	13027204	4
Caelo	Cocoa butter	13027202	5
Caelo	Cocoa butter	11034719	1
Caelo	Cocoa butter	11117806	2
Caelo	Cocoa butter	12040810	1
Caelo	Cocoa butter	12040807	1
Caelo	Cocoa butter	12040803	2
Caelo	Cocoa butter	13027224	4
Caelo	Cocoa butter	13140402	1
Caelo	Cocoa butter	13140406	3
Caelo	Cocoa butter	13292006	1
Caelo	Cocoa butter	1392013	1
Caelo	Cocoa butter	71326048	2
Caelo	Cocoa butter	11079607	2
Caelo	Cocoa butter	14304703	1
Caelo	Cocoa butter	16316501	2
Caelo	Cocoa butter	13140401	1
Caelo	Cocoa butter	13292001	2
Caelo	Cocoa butter	13140407	21
Caelo	Cocoa butter	13027226	4
Caelo	Cocoa butter	13140405	4
Caelo	Cocoa butter	13140404	24
Caelo	Cocoa butter	515A-03176	1

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Supplier	Substance	Batch	Spectra
Caelo	Cocoa butter	13027227	3
Caelo	Cocoa butter	13292019	1
Caelo	Cocoa butter	13292015	1
Caelo	Codeine phosphate hem...	13G03-N10	1
Caelo	Codeine phosphate hem...	14275910	1
Caelo	Codeine phosphate hem...	1427910	1
Caelo	Codeine phosphate hem...	15219805	1
Caelo	Codeine phosphate hem...	15350703	2
Caelo	Coltsfoot leaf, cut	25021304	1
Caelo	Coltsfoot leaf, cut	23041302	1
Caelo	Coltsfoot leaf, cut	Int.Ch:Now16081	1
Caelo	Coltsfoot leaf, cut	2021B121204	16
Caelo	Coltsfoot leaf, cut	2021B130227	15
Caelo	Comfrey root	116053	1
Caelo	Comfrey root	2711Q-02135	1
Caelo	Common broom herb, cut	12358805	1
Caelo	Common broom herb, cut	13241601	1
Caelo	Common broom herb, cut	11132209	1
Caelo	Common broom herb, cut	12358804	3
Caelo	Common broom herb, cut	4412Q-01680	1
Caelo	Common broom herb, cut	12358802	1
Caelo	Common wormwood herb,...	10357806	1
Caelo	Common wormwood herb,...	12016705	9
Caelo	Common wormwood herb,...	10355329	1
Caelo	Common wormwood herb,...	3591A110119	4
Caelo	Common wormwood herb,...	1081301	1
Caelo	Common wormwood herb,...	9355403	1
Caelo	Common wormwood herb,...	1238701	1
Caelo	Common wormwood herb,...	4712A-01620	1
Caelo	Common wormwood herb,...	3591A100315	1
Caelo	Common wormwood herb,...	14360605	1
Caelo	Common wormwood herb,...	12382705	2
Caelo	Common wormwood herb,...	12382702	8
Caelo	Common wormwood herb,...	12382701	8
Caelo	Common wormwood herb,...	12016709	3
Caelo	Common wormwood herb,...	12016701	1
Caelo	Common wormwood herb,...	12016702	2
Caelo	Copper (II) sulfate p...	10L15-N06	1
Caelo	Copper (II) sulfate p...	2913U-01317	1
Caelo	Copper (II) sulfate p...	3411M-01317	1
Caelo	Copper (II) sulfate p...	12135001	1
Caelo	Copper (II) sulfate p...	12157107	1
Caelo	Copper (II) sulfate p...	3211M-01317	1
Caelo	Corn starch	11179315	2
Caelo	Corn starch	10061146	1
Caelo	Corn starch	11179307	1
Caelo	Corn starch	15119011	4
Caelo	Corn starch	13154904	1
Caelo	Corn starch	1179307	1
Caelo	Corn starch	12238705	2
Caelo	Corn starch	15310902	1
Caelo	Corn starch	12238715	3
Caelo	Corn starch	15310903	1
Caelo	Corn starch	15310914	2
Caelo	Cottonwood bud	70864257	1
Caelo	Cottonwood bud	nachprüfung	1
Caelo	Cottonwood bud	12027504	1
Caelo	Cottonwood bud	12027506	1
Caelo	Couch grass rhizome, ...	3712I-02180	1
Caelo	Couch grass rhizome, ...	10049606	1

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Supplier	Substance	Batch	Spectra
Caelo	Couch grass rhizome, ...	12186817	3
Caelo	Couch grass rhizome, ...	10349704	1
Caelo	Couch grass rhizome, ...	10049618	2
Caelo	Couch grass rhizome, ...	10349705	2
Caelo	Couch grass rhizome, ...	nachprüfung	1
Caelo	Couch grass rhizome, ...	12186705	1
Caelo	Couch grass rhizome, ...	10049614	1
Caelo	Couch grass rhizome, ...	12186701	1
Caelo	Cowberry leaf, cut	12105203	1
Caelo	Cowberry leaf, cut	12105201	1
Caelo	Cowberry leaf, cut	11334302	1
Caelo	Cowberry leaf, cut	12150205	1
Caelo	Cyanocobalamin	9336904	1
Caelo	Cyanocobalamin	9324113	1
Caelo	Cyanocobalamin	9336907	1
Caelo	Cyanocobalamin	9373503	2
Caelo	Cyanocobalamin	9351704	1
Caelo	Cyproterone acetate	B0392/110020	5
Caelo	Cyproterone acetate	CPA150301	1
Caelo	Daisy flower	12133705	1
Caelo	Daisy flower	12133703	1
Caelo	Daisy flower	1210a120215	1
Caelo	Daisy flower	11103203	2
Caelo	Daisy flower	11103201	2
Caelo	Daisy flower	11068308	1
Caelo	Damiana leaf, cut	12330401	4
Caelo	Damiana leaf, cut	12064103	3
Caelo	Damiana leaf, cut	12330402	10
Caelo	Damiana leaf, cut	12330403	2
Caelo	Damiana leaf, cut	11026607	2
Caelo	Damiana leaf, cut	12330407	2
Caelo	Dandelion herb with r...	13019805	2
Caelo	Dandelion herb with r...	8111205	1
Caelo	Dandelion herb with r...	13019801	6
Caelo	Dandelion herb with r...	13018902	1
Caelo	Dandelion herb with r...	12236003	5
Caelo	Dandelion herb with r...	12236005	6
Caelo	Dandelion herb with r...	7341703	1
Caelo	Dandelion herb with r...	10121610	1
Caelo	Dandelion herb with r...	1103011	1
Caelo	Dandelion herb with r...	11030309	5
Caelo	Dandelion herb with r...	12236002	8
Caelo	Dandelion herb with r...	12236001	4
Caelo	Dandelion herb with r...	11371903	1
Caelo	Dandelion herb with r...	11030314	5
Caelo	Dandelion herb with r...	10121602	1
Caelo	Dandelion herb with r...	13108801	4
Caelo	Dandelion herb with r...	Int.Ch:318090	1
Caelo	Dandelion herb with r...	Ch.-B.:13019802	1
Caelo	Dandelion herb with r...	11030313	3
Caelo	Dandelion herb with r...	6611B100902	1
Caelo	Dandelion herb with r...	2112122165	1
Caelo	Dandelion herb with r...	20111202	1
Caelo	Dandelion herb with r...	13108802	12
Caelo	Dandelion herb with r...	13019802-3395310101	1
Caelo	Dandelion herb with r...	13019802	20
Caelo	Dandelion herb with r...	17121305	1
Caelo	Dandelion herb with r...	13199202	1
Caelo	Dandelion herb with r...	7131-02165	1
Caelo	Dandelion herb withou...	13091305	1

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Supplier	Substance	Batch	Spectra
Caelo	Dandelion herb withou...	1137907	1
Caelo	Dandelion herb withou...	7031305	1
Caelo	Dandelion herb withou...	11371907	1
Caelo	Dandelion herb withou...	9011403	1
Caelo	Dandelion herb withou...	11371904	1
Caelo	Dandelion herb withou...	11371902	1
Caelo	Dandelion herb withou...	1127102	1
Caelo	Dandelion herb withou...	11217109	2
Caelo	Dandelion herb withou...	107063	1
Caelo	Dandelion herb withou...	11030311	1
Caelo	Dequalinium chloride	12361911	1
Caelo	Dequalinium chloride	12361908	2
Caelo	Dequalinium chloride	215I-01325	1
Caelo	Dequalinium chloride	13A23-N02	1
Caelo	Dequalinium chloride	13348805	2
Caelo	Dequalinium chloride	12361908	1
Caelo	Dequalinium chloride	12077510	7
Caelo	Dequalinium chloride	12361906	2
Caelo	Dequalinium chloride	12361906	1
Caelo	Dequalinium chloride	15218402	1
Caelo	Dequalinium chloride	15218406	1
Caelo	Dequalinium chloride	15218407	1
Caelo	Dequalinium chloride	3613A-01325	1
Caelo	Dequalinium chloride	5315I-01325	1
Caelo	Dequalinium chloride	11166203	1
Caelo	Dequalinium chloride	11166209	1
Caelo	Dequalinium chloride	12077508	5
Caelo	Dequalinium chloride	220812K2	1
Caelo	Dequalinium chloride	Ch.B.:311020-6P	1
Caelo	Dequalinium chloride	13/26-N10	1
Caelo	Dequalinium chloride	15218401	2
Caelo	Dequalinium chloride	12361911	1
Caelo	Devil's claw root	12031810	1
Caelo	Devil's claw root	6331B110426	2
Caelo	Devil's claw root	12031806	1
Caelo	Devil's claw root	12031801	1
Caelo	Devil's claw root	12031803	2
Caelo	Dexamethasone	13084316	2
Caelo	Dexamethasone	13084307	3
Caelo	Dexamethasone	13084309	1
Caelo	Dexamethasone	12165804	2
Caelo	Dexamethasone	12033315	5
Caelo	Dexamethasone	12091306	1
Caelo	Dexamethasone	12033301	4
Caelo	Dexamethasone	11D26-N10	2
Caelo	Dexamethasone	12033318	6
Caelo	Dexamethasone	13084304	2
Caelo	Dexamethasone	72134487	1
Caelo	Dexamethasone	DM-MIC10005K	1
Caelo	Dexamethasone	13084320	3
Caelo	Dexamethasone	13084319	2
Caelo	Dexamethasone	13084310	8
Caelo	Dexamethasone	13084317	7
Caelo	Dexamethasone	130854306	1
Caelo	Dexamethasone	3084310	1
Caelo	Dexamethasone	13084314	1
Caelo	Dexamethasone	13084305	4
Caelo	Dexamethasone	10369921	2
Caelo	Dexamethasone	15054605	2
Caelo	Dexamethasone	90939399	1

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Supplier	Substance	Batch	Spectra
Caelo	Dexamethasone	15054603	2
Caelo	Dexamethasone	10369917	1
Caelo	Dexamethasone	10369919	2
Caelo	Dexamethasone	14196402	2
Caelo	Dexamethasone	15054606	8
Caelo	Dexamethasone	15054622	1
Caelo	Dexamethasone	15054621	1
Caelo	Dexamethasone	15054617	2
Caelo	Dexamethasone	15054611	3
Caelo	Dexamethasone	15054609	4
Caelo	Dexamethasone	15A05-B01-304637	1
Caelo	Dexamethasone	12033305	5
Caelo	Dexamethasone	13352302	6
Caelo	Dexamethasone	12033304	1
Caelo	Dexamethasone	10369920Nachprüfung	1
Caelo	Dexamethasone	12033314	9
Caelo	Dexamethasone	12033307	5
Caelo	Dexamethasone	12033308	3
Caelo	Dexamethasone	13352304	1
Caelo	Dexamethasone	13G08-N13	7
Caelo	Dexamethasone	13352312	7
Caelo	Dexamethasone	13352310	4
Caelo	Dexamethasone	12033312	1
Caelo	Dexamethasone	13352308	5
Caelo	Dexamethasone acetate	13100401	1
Caelo	Dexamethasone acetate	12021801	4
Caelo	Dexamethasone acetate	12021814	1
Caelo	Dexamethasone acetate	12021803	4
Caelo	Dexamethasone acetate	13100403	4
Caelo	Dexamethasone acetate	5/AD1	1
Caelo	Dexamethasone acetate	4113I-01326	1
Caelo	Dexamethasone acetate	3913Q-01326	1
Caelo	Dexamethasone acetate	22/AKD2	1
Caelo	Dexamethasone acetate	12021811	1
Caelo	Dexamethasone acetate	13100406	2
Caelo	Dexamethasone acetate	11093215	1
Caelo	Dexamethasone acetate	13260705	2
Caelo	Dexamethasone acetate	14200201	3
Caelo	Dexamethasone acetate	14200205	2
Caelo	Dexamethasone acetate	14200207	1
Caelo	Dexamethasone acetate	14379607	1
Caelo	Dexamethasone acetate	14379609	1
Caelo	Dexamethasone acetate	14379616	1
Caelo	Dexamethasone acetate	15243201	1
Caelo	Dexamethasone acetate	15243202	1
Caelo	Dexamethasone acetate	13260703	3
Caelo	Dexamethasone acetate	13100404	3
Caelo	Dexamethasone acetate	11093211	1
Caelo	Dexamethasone acetate	11093210	1
Caelo	Dexamethasone acetate	13100407	4
Caelo	Dexamethasone acetate	13100408	1
Caelo	Dexamethasone acetate	13260702	1
Caelo	Dexamethasone acetate	13260701	3
Caelo	Dexamphetamine sulfate	C9H13N14	1
Caelo	Diclofenac sodium	13214309	2
Caelo	Diclofenac sodium	13214311	9
Caelo	Diclofenac sodium	13214312	1
Caelo	Diclofenac sodium	13214303	1
Caelo	Diclofenac sodium	13214317	4
Caelo	Diclofenac sodium	13214308	3

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Supplier	Substance	Batch	Spectra
Caelo	Diclofenac sodium	13214304	1
Caelo	Diclofenac sodium	12L28-B05	1
Caelo	Diclofenac sodium	12214202	1
Caelo	Diclofenac sodium	5081501	1
Caelo	Diclofenac sodium	13214318	4
Caelo	Diclofenac sodium	12214219	1
Caelo	Diclofenac sodium	12214206	1
Caelo	Diclofenac sodium	11091201	1
Caelo	Diclofenac sodium	10335805	1
Caelo	Diclofenac sodium	12214205	1
Caelo	Diclofenac sodium	15169613	1
Caelo	Diclofenac sodium	15169604	4
Caelo	Diclofenac sodium	1503014-01	9
Caelo	Diclofenac sodium	13H22-N10	1
Caelo	Dihydrocodeine hydrog...	15295907	1
Caelo	Dihydrocodeine hydrog...	15295905	2
Caelo	Dihydrocodeine hydrog...	13267608	1
Caelo	Dihydrocodeine hydrog...	12142503	2
Caelo	Dihydrocodeine hydrog...	12142508	2
Caelo	Dihydrocodeine hydrog...	13267604	2
Caelo	Dihydrocodeine hydrog...	13267603	1
Caelo	Dihydrocodeine hydrog...	15295903	2
Caelo	Diltiazem hydrochloride	1405904	1
Caelo	Diltiazem hydrochloride	15230501	3
Caelo	Diltiazem hydrochloride	14059133	1
Caelo	Diltiazem hydrochloride	14059502	2
Caelo	Diltiazem hydrochloride	10212404	3
Caelo	Diltiazem hydrochloride	13J24-B04-289432	3
Caelo	Diltiazem hydrochloride	13J24-B04-286569	5
Caelo	Diltiazem hydrochloride	10212411	1
Caelo	Diltiazem hydrochloride	10212413	1
Caelo	Diltiazem hydrochloride	11091301	1
Caelo	Diltiazem hydrochloride	10069509	1
Caelo	Diltiazem hydrochloride	DIL/M-04511	1
Caelo	Diltiazem hydrochloride	DIL/M-19911	1
Caelo	Diltiazem hydrochloride	1233011	1
Caelo	Diltiazem hydrochloride	11134101	1
Caelo	Diltiazem hydrochloride	14059513	12
Caelo	Diltiazem hydrochloride	1396103	1
Caelo	Diltiazem hydrochloride	14059504	2
Caelo	Diltiazem hydrochloride	25041401	1
Caelo	Diltiazem hydrochloride	6031302	1
Caelo	Diltiazem hydrochloride	14059503	1
Caelo	Diltiazem hydrochloride	11134103	1
Caelo	Diltiazem hydrochloride	13346905	9
Caelo	Diltiazem hydrochloride	13346904	5
Caelo	Diltiazem hydrochloride	12133006	1
Caelo	Diltiazem hydrochloride	13346903	7
Caelo	Diltiazem hydrochloride	11L20-N06	2
Caelo	Diltiazem hydrochloride	11134113	1
Caelo	Diltiazem hydrochloride	11134119	2
Caelo	Diltiazem hydrochloride	13031501	1
Caelo	Diltiazem hydrochloride	12133022	15
Caelo	Diltiazem hydrochloride	10212421	1
Caelo	Diltiazem hydrochloride	13346908	4
Caelo	Diltiazem hydrochloride	12133029	4
Caelo	Diltiazem hydrochloride	13346914	9
Caelo	Diltiazem hydrochloride	12133028	4
Caelo	Diltiazem hydrochloride	12133023	2
Caelo	Diltiazem hydrochloride	12133014	1

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Supplier	Substance	Batch	Spectra
Caelo	Diltiazem hydrochloride	12133011	4
Caelo	Diltiazem hydrochloride	11134107	1
Caelo	Diltiazem hydrochloride	12133010	20
Caelo	Diltiazem hydrochloride	1091503	1
Caelo	Diltiazem hydrochloride	12133008	3
Caelo	Diltiazem hydrochloride		1
Caelo	Diltiazem hydrochloride	15230504	3
Caelo	Diltiazem hydrochloride	14318413	3
Caelo	Diltiazem hydrochloride	15230507	4
Caelo	Diltiazem hydrochloride	15230510	1
Caelo	Diltiazem hydrochloride	15230512	2
Caelo	Diltiazem hydrochloride	15230514	2
Caelo	Diltiazem hydrochloride	15414301	8
Caelo	Diltiazem hydrochloride	15414302	9
Caelo	Diltiazem hydrochloride	15414304	1
Caelo	Diltiazem hydrochloride	15414305	1
Caelo	Diltiazem hydrochloride	14318412	14
Caelo	Diltiazem hydrochloride	14318414	2
Caelo	Diltiazem hydrochloride	15230000000000000000	1
Caelo	Diltiazem hydrochloride	1521806	1
Caelo	Diltiazem hydrochloride	15212806	2
Caelo	Diltiazem hydrochloride	15212802	4
Caelo	Diltiazem hydrochloride	15212801	8
Caelo	Diltiazem hydrochloride	15/246/DI	1
Caelo	Diltiazem hydrochloride	15230503	7
Caelo	Diltiazem hydrochloride	14318416	2
Caelo	Diltiazem hydrochloride	1459513	1
Caelo	Diltiazem hydrochloride	14C12-B04-294135	2
Caelo	Diltiazem hydrochloride	15230502	7
Caelo	Diltiazem hydrochloride	12133032	1
Caelo	Diltiazem hydrochloride	14318410	2
Caelo	Diltiazem hydrochloride	13196103	3
Caelo	Diltiazem hydrochloride	13196105	19
Caelo	Diltiazem hydrochloride	13196107	3
Caelo	Diltiazem hydrochloride	1334609	1
Caelo	Diltiazem hydrochloride	13G16-No5	1
Caelo	Diltiazem hydrochloride	13j24-b04-286571	1
Caelo	Diltiazem hydrochloride	3313U-03562	1
Caelo	Diltiazem hydrochloride	2704213562	1
Caelo	Diltiazem hydrochloride	14059514	14
Caelo	Diltiazem hydrochloride	2310213562	1
Caelo	Diltiazem hydrochloride	20160812-1	1
Caelo	Diltiazem hydrochloride	15414309	1
Caelo	Diltiazem hydrochloride	1319604	1
Caelo	Diltiazem hydrochloride	14318409	10
Caelo	Diltiazem hydrochloride	14318403	4
Caelo	Diltiazem hydrochloride	12176801	5
Caelo	Diltiazem hydrochloride	12176804	1
Caelo	Diltiazem hydrochloride	14318402	4
Caelo	Diltiazem hydrochloride	15G20-B08-312065	4
Caelo	Diltiazem hydrochloride	12177101	14
Caelo	Diltiazem hydrochloride	140595143	1
Caelo	Diltiazem hydrochloride	14059515	1
Caelo	Diltiazem hydrochloride	23121402	1
Caelo	Diltiazem hydrochloride	18061511	1
Caelo	Diltiazem hydrochloride	14059521	2
Caelo	Diltiazem hydrochloride	16190807	1
Caelo	Diphenhydramine hydro...	15220405	1
Caelo	Diphenhydramine hydro...	15220404	3
Caelo	Diphenhydramine hydro...	15220403	1

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Supplier	Substance	Batch	Spectra
Caelo	Diphenhydramine hydro...	15220402	2
Caelo	Diphenhydramine hydro...	15072603	1
Caelo	Diphenhydramine hydro...	15072602	2
Caelo	Diphenhydramine hydro...	2041403	1
Caelo	Diphenhydramine hydro...	12329815	1
Caelo	Diphenhydramine hydro...	13100462	1
Caelo	Diphenhydramine hydro...	13331810	1
Caelo	Diphenhydramine hydro...	13331813	1
Caelo	Diphenhydramine hydro...	13343104	1
Caelo	Diphenhydramine hydro...	1814A-01339	1
Caelo	Diphenhydramine hydro...	25071306	1
Caelo	Diphenhydramine hydro...	12007721	3
Caelo	Diphenhydramine hydro...	12007716	2
Caelo	Diphenhydramine hydro...	12007715	2
Caelo	Diphenhydramine hydro...	12007702	1
Caelo	Diphenhydramine hydro...	10122030	4
Caelo	Diphenhydramine hydro...	1912I-01339	1
Caelo	Diphenhydramine hydro...	20071502	1
Caelo	Diphenhydramine hydro...	2215I-01339	1
Caelo	Diphenhydramine hydro...	31031508	1
Caelo	Diphenhydramine hydro...	4061205	1
Caelo	Diphenhydramine hydro...	5121204	1
Caelo	Dithranole	13120702	1
Caelo	Dithranole	12375305	1
Caelo	Dithranole	11064501	1
Caelo	Dithranole	12014504	2
Caelo	Dithranole	120145041.2013	1
Caelo	Dithranole	120302501	1
Caelo	Dithranole	120302502	2
Caelo	Dithranole	1212I-01274	1
Caelo	Dithranole	12236811	4
Caelo	Dithranole	12375302	4
Caelo	Dithranole	APDT/3652011D	1
Caelo	Dithranole	13120504	1
Caelo	Dithranole	27111206	1
Caelo	Dithranole	12375402	1
Caelo	Dithranole	13120503	1
Caelo	Dry beads Caelo ora...	12382204	1
Caelo	Dry beads Caelo ora...	11005811	1
Caelo	Dry beads Caelo ora...	11005813	1
Caelo	Echinacea pallida roo...	11115206	1
Caelo	Echinacea pallida roo...	12244504	1
Caelo	Elder flower, rubbed	1029310	1
Caelo	Elder flower, rubbed	10291304	1
Caelo	Elder flower, rubbed	10291212	1
Caelo	Elder flower, rubbed	213E-01471	1
Caelo	Elder flower, rubbed	10291310	6
Caelo	Elder flower, rubbed	10291312	4
Caelo	Elder flower, rubbed	12221902	10
Caelo	Elder flower, rubbed	12221903	1
Caelo	Elder flower, rubbed	12221905	9
Caelo	Elder flower, rubbed	12221906	1
Caelo	Elder flower, rubbed	10291308	2
Caelo	Elder flower, rubbed	31051301	1
Caelo	Elder flower, rubbed	25091207	1
Caelo	Elder flower, rubbed	14111317	1
Caelo	Elder flower, rubbed	13244602	3
Caelo	Elder flower, rubbed	13244601	3
Caelo	Elder flower, rubbed	12221910	4
Caelo	Elder flower, rubbed	12221907	3

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Supplier	Substance	Batch	Spectra
Caelo	Elder flower, rubbed	12221904-3360319071	1
Caelo	Elder flower, rubbed	12221904	11
Caelo	Elder flower, rubbed	9297412	1
Caelo	Elder flower, rubbed	9297417	2
Caelo	Elder flower, rubbed	10291301	1
Caelo	Elder root, cut	12345678	1
Caelo	Elecampane rhizome, cut	13152401	1
Caelo	Elecampane rhizome, cut	13152402	1
Caelo	Eleutherococcus, cut	12326707	1
Caelo	Eleutherococcus, cut	10381814	2
Caelo	Eleutherococcus, cut	10381817	2
Caelo	Eleutherococcus, cut	10381808	1
Caelo	Eleutherococcus, cut	10381812	2
Caelo	Eleutherococcus, cut	12326701	2
Caelo	Eleutherococcus, cut	12326703	1
Caelo	Eleutherococcus, cut	10381818	2
Caelo	Elm bark, cut	10347204	1
Caelo	Elm bark, cut	10347203	1
Caelo	Elm bark, cut	12287902	2
Caelo	Emulgade® 1000 NI	13092401	1
Caelo	Emulgade® 1000 NI	15113703	1
Caelo	Emulgade® 1000 NI	14055002	1
Caelo	Emulgade® 1000 NI	11001603Nachprüfung	1
Caelo	Emulgade® 1000 NI	12032002	1
Caelo	Emulsifying cetostear...	12331402	1
Caelo	Emulsifying cetostear...	13233008	2
Caelo	Emulsifying cetostear...	14322512	1
Caelo	Emulsifying cetostear...	15271410	1
Caelo	Emulsifying cetostear...	13233001	1
Caelo	Emulsifying cetostear...	18081201	1
Caelo	Emulsifying cetostear...	21121-01078	1
Caelo	Emulsifying cetostear...	24101305	1
Caelo	Emulsifying cetostear...	25051201	1
Caelo	Emulsifying cetostear...	13233002	1
Caelo	Emulsifying cetostear...	13144105	8
Caelo	Emulsifying cetostear...	12231402	1
Caelo	Emulsifying cetostear...	23091402	1
Caelo	Emulsifying cetostear...	Unbekannt	1
Caelo	Emulsifying cetostear...	2011404	1
Caelo	Emulsifying cetostear...	11009204	1
Caelo	Emulsifying cetostear...	11291101	1
Caelo	Emulsifying cetostear...	11291104	1
Caelo	Emulsifying cetostear...	12134203	1
Caelo	Emulsifying cetostear...	12229402	2
Caelo	Emulsifying cetostear...	14158201	4
Caelo	Emulsifying cetostear...	15271405	5
Caelo	Emulsifying cetostear...	15090703	2
Caelo	Emulsifying cetostear...	15385602	1
Caelo	Emulsifying cetostear...	23051503	1
Caelo	Emulsifying cetostear...	27/AKD\$	1
Caelo	Emulsifying cetostear...	11291103	2
Caelo	Emulsifying cetostear...	14G31-B03-305612	3
Caelo	Emulsifying cetostear...	13144104	4
Caelo	Emulsifying cetostear...	12C30-N01	2
Caelo	Emulsifying cetostear...	25/AKD1	1
Caelo	Emulsifying cetostear...	12331407	3
Caelo	Emulsifying cetostear...	12331402	4
Caelo	Emulsifying cetostear...	14322505	2
Caelo	Emulsifying cetostear...	14322505	7
Caelo	Emulsifying cetostear...	15090706	2

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Supplier	Substance	Batch	Spectra
Caelo	Emulsifying cetostear...	15271402	4
Caelo	Emulsifying cetostear...	13352102	1
Caelo	Emulsifying cetostear...	12065709	6
Caelo	Emulsifying cetostear...	5011505	1
Caelo	Emulsifying cetostear...	14158201	4
Caelo	Emulsifying cetostear...	14156201	1
Caelo	Emulsifying cetostear...	13L17-B05-289806	1
Caelo	Emulsifying cetostear...	13233005	5
Caelo	Emulsifying cetostear...	13233005	1
Caelo	Emulsifying cetostear...	15271403	1
Caelo	Eosin yellowish	13I11-N03	1
Caelo	Eosin yellowish	14H28-M05	3
Caelo	Eosin yellowish	12e25-n01	1
Caelo	Eosin yellowish	13F14-T01-017395	4
Caelo	Ephedrine hydrochloride	14378510	2
Caelo	Ephedrine hydrochloride	16119703	1
Caelo	Ephedrine hydrochloride	10103425	1
Caelo	Ephedrine hydrochloride	11126407	1
Caelo	Ephedrine hydrochloride	11126414	1
Caelo	Ephedrine hydrochloride	14378507	1
Caelo	Ephedrine hydrochloride	13323302	2
Caelo	Ephedrine hydrochloride	13323305	2
Caelo	Ephedrine hydrochloride	13323309	1
Caelo	Ephedrine hydrochloride	13323310	1
Caelo	Ephedrine hydrochloride	13323316	1
Caelo	Ephedrine hydrochloride	14378502	1
Caelo	Ephedrine hydrochloride	14378506	2
Caelo	Ephedrine hydrochloride	12017209	2
Caelo	Ephedrine hydrochloride	EphedrinHCL2	1
Caelo	Ephedrine hydrochloride	EphedrinHCL1	1
Caelo	Ephedrine hydrochloride	12017217	1
Caelo	Ephedrine hydrochloride	12017215	1
Caelo	Epinephrine hydrogen ...	15239701	1
Caelo	Epinephrine hydrogen ...	12120202	1
Caelo	Epinephrine hydrogen ...	123337805	1
Caelo	Epinephrine hydrogen ...	12337801	1
Caelo	Epinephrine hydrogen ...	15239703	1
Caelo	Epinephrine hydrogen ...	210316-1	1
Caelo	Epinephrine hydrogen ...	10237109	1
Caelo	Epinephrine hydrogen ...	210316-3	1
Caelo	Equisetum stem, cut	8101201	1
Caelo	Equisetum stem, cut	13344313	1
Caelo	Equisetum stem, cut	13344315	1
Caelo	Equisetum stem, cut	10375507	2
Caelo	Equisetum stem, cut	10375520	1
Caelo	Equisetum stem, cut	11021902	1
Caelo	Equisetum stem, cut	2658181	1
Caelo	Equisetum stem, cut	15015404	1
Caelo	Equisetum stem, cut	3091201	1
Caelo	Equisetum stem, cut	15015402	2
Caelo	Equisetum stem, cut	6081304	1
Caelo	Equisetum stem, cut	613M-01642	1
Caelo	Equisetum stem, cut	11076301	4
Caelo	Equisetum stem, cut	13159702	2
Caelo	Equisetum stem, cut	13091301	1
Caelo	Equisetum stem, cut	13159706	3
Caelo	Equisetum stem, cut	1288804	1
Caelo	Equisetum stem, cut		2
Caelo	Equisetum stem, cut	12288808	7
Caelo	Equisetum stem, cut	12288804	7

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Supplier	Substance	Batch	Spectra
Caelo	Equisetum stem, cut	11076303	11
Caelo	Equisetum stem, cut	13344306	1
Caelo	Equisetum stem, cut	11076307	1
Caelo	Equisetum stem, cut	12268801	1
Caelo	Equisetum stem, cut	12288802	3
Caelo	Equisetum stem, cut	13344304	3
Caelo	Equisetum stem, cut	10328915	1
Caelo	Equisetum stem, cut	13159704	2
Caelo	Equisetum stem, cut	10375505	2
Caelo	Equisetum stem, cut	11021901	2
Caelo	Equisetum stem, cut	13344303	5
Caelo	Equisetum stem, cut	12231401	6
Caelo	Equisetum stem, cut	13200201	1
Caelo	Equisetum stem, cut	13159705	1
Caelo	Equisetum stem, cut	11076302	3
Caelo	Equisetum stem, cut	11076306	5
Caelo	Equisetum stem, cut	13344309	3
Caelo	Equisetum stem, cut	311042	1
Caelo	Erythromycin	eb078b13	1
Caelo	Erythromycin	511111	1
Caelo	Erythromycin	10006206	1
Caelo	Erythromycin	12152102	3
Caelo	Erythromycin	1021703	1
Caelo	Erythromycin	10217101	1
Caelo	Erythromycin	10217102	1
Caelo	Erythromycin	60/AKD4	1
Caelo	Erythromycin	11195405	3
Caelo	Erythromycin	11195406	1
Caelo	Erythromycin	11195407	5
Caelo	Erythromycin	11195408	1
Caelo	Erythromycin	1195306	1
Caelo	Erythromycin	1195407	1
Caelo	Erythromycin	10217103	1
Caelo	Erythromycin	10217501	1
Caelo	Erythromycin	11195302	3
Caelo	Erythromycin	12152105	7
Caelo	Erythromycin	12152104	4
Caelo	Erythromycin	12152103	4
Caelo	Erythromycin	11195306	1
Caelo	Erythromycin	10217412	1
Caelo	Erythromycin	11j06-n05	2
Caelo	Erythromycin	10217105	1
Caelo	Erythromycin	10217106	1
Caelo	Erythromycin	10217107	1
Caelo	Erythromycin	120503502	3
Caelo	Erythromycin	12152101	3
Caelo	Erythromycin	10217204	1
Caelo	Erythromycin	11195404	2
Caelo	Erythromycin	22041302	1
Caelo	Erythromycin	20270912-3	1
Caelo	Erythromycin	19071306	1
Caelo	Erythromycin	16071302	1
Caelo	Erythromycin	1404414	1
Caelo	Erythromycin	132152108	1
Caelo	Erythromycin	13189007	2
Caelo	Erythromycin	13189006	1
Caelo	Erythromycin	13189001	8
Caelo	Erythromycin	24101312	1
Caelo	Erythromycin	13175506-3559412014	1
Caelo	Erythromycin	13175504-3413310132	1

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Supplier	Substance	Batch	Spectra
Caelo	Erythromycin	11195411	1
Caelo	Erythromycin	59/AKD59	1
Caelo	Erythromycin	3110195	1
Caelo	Erythromycin	27131-01362	1
Caelo	Erythromycin	27071202	1
Caelo	Erythromycin	26101204	1
Caelo	Erythromycin	26011402	1
Caelo	Erythromycin	25011304	1
Caelo	Erythromycin	131756017	1
Caelo	Erythromycin	12152208	3
Caelo	Erythromycin	12152206	11
Caelo	Erythromycin	12152205	11
Caelo	Erythromycin	12152203	1
Caelo	Erythromycin	12152202	4
Caelo	Erythromycin	12152201	11
Caelo	Erythromycin	1215219	1
Caelo	Erythromycin	12152109	11
Caelo	Erythromycin	12152108	5
Caelo	Erythromycin	12152107	1
Caelo	Erythromycin	12156201	3
Caelo	Erythromycin	13175504	5
Caelo	Erythromycin	13175501	6
Caelo	Erythromycin	1315501	1
Caelo	Erythromycin	13145504	1
Caelo	Erythromycin		2
Caelo	Erythromycin	12156208	7
Caelo	Erythromycin	12156207	5
Caelo	Erythromycin	12156204	4
Caelo	Erythromycin	12156203	2
Caelo	Erythromycin	12156202	6
Caelo	Erythromycin	5042604	1
Caelo	Erythromycin	14044011	1
Caelo	Erythromycin	14044010	6
Caelo	Erythromycin	14044008	6
Caelo	Erythromycin	14044007	3
Caelo	Erythromycin	14044005	4
Caelo	Erythromycin	13178756tzgk1hj	1
Caelo	Erythromycin	120503601	2
Caelo	Erythromycin	11195402	5
Caelo	Erythromycin	10091502	1
Caelo	Erythromycin	10079203	1
Caelo	Erythromycin	3081601	1
Caelo	Erythromycin	14044004	2
Caelo	Erythromycin	14044014	1
Caelo	Erythromycin	14044118	3
Caelo	Erythromycin	14044201	6
Caelo	Erythromycin	14044202	2
Caelo	Erythromycin	14044206	1
Caelo	Erythromycin	14044207	2
Caelo	Erythromycin	1414M-01362	1
Caelo	Erythromycin	14044115	4
Caelo	Erythromycin	1404409	1
Caelo	Erythromycin	14044101	5
Caelo	Erythromycin	14044105	2
Caelo	Erythromycin	14044109	3
Caelo	Erythromycin	14044110	3
Caelo	Erythromycin	14044114	3
Caelo	Erythromycin	12156206	2
Caelo	Erythromycin	13175809	8
Caelo	Erythromycin	13175810	4

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Supplier	Substance	Batch	Spectra
Caelo	Erythromycin	13175811	5
Caelo	Erythromycin	14044002	8
Caelo	Erythromycin	14044001	11
Caelo	Erythromycin	140440006	1
Caelo	Erythromycin	13D30-N01	32
Caelo	Erythromycin	13H22-N07	8
Caelo	Erythromycin	14/30-B01-300059	1
Caelo	Erythromycin	14/30-B01-306927	1
Caelo	Erythromycin	14/30-B01-308189	2
Caelo	Erythromycin	140044203	1
Caelo	Erythromycin	13175808	3
Caelo	Erythromycin	13175601	7
Caelo	Erythromycin	13175506	3
Caelo	Erythromycin	13175505	3
Caelo	Erythromycin	13175503	10
Caelo	Erythromycin	13175502	8
Caelo	Erythromycin	1315802	1
Caelo	Erythromycin	13175604	7
Caelo	Erythromycin	13175804	2
Caelo	Erythromycin	13175803	7
Caelo	Erythromycin	13175802	7
Caelo	Erythromycin	13175801	9
Caelo	Erythromycin	13175608	12
Caelo	Erythromycin	13175607	8
Caelo	Erythromycin	1430b01300059	1
Caelo	Erythromycin	15245002	8
Caelo	Erythromycin	1524004	1
Caelo	Erythromycin	1508034-02	8
Caelo	Erythromycin	15042901	2
Caelo	Erythromycin	15042814	2
Caelo	Erythromycin	15042813	6
Caelo	Erythromycin	15042810	1
Caelo	Erythromycin	15042809	1
Caelo	Erythromycin	15042806	4
Caelo	Erythromycin	15042803	7
Caelo	Erythromycin	15245003	4
Caelo	Erythromycin	24071402	1
Caelo	Erythromycin	16079208	1
Caelo	Erythromycin	16079204	2
Caelo	Erythromycin	16079203	4
Caelo	Erythromycin	154042602	1
Caelo	Erythromycin	15042706	4
Caelo	Erythromycin	15245101	5
Caelo	Erythromycin	15245008	1
Caelo	Erythromycin	15245005	1
Caelo	Erythromycin	15245004	9
Caelo	Erythromycin	15042802	1
Caelo	Erythromycin	15042612	3
Caelo	Erythromycin	15042611	1
Caelo	Erythromycin	15042610	5
Caelo	Erythromycin	15042609	5
Caelo	Erythromycin	15042608	2
Caelo	Erythromycin	15042604	2
Caelo	Erythromycin	15042602	2
Caelo	Erythromycin	15042601	1
Caelo	Erythromycin	14F13-B02-296464	2
Caelo	Erythromycin	14b06-b35-293508	1
Caelo	Erythromycin	15042613	2
Caelo	Erythromycin	15042711	2
Caelo	Erythromycin	15042708	1

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Supplier	Substance	Batch	Spectra
Caelo	Erythromycin	15042707	1
Caelo	Erythromycin	28041505	1
Caelo	Erythromycin	15042705	4
Caelo	Erythromycin	15042704	3
Caelo	Erythromycin	15042701	4
Caelo	Erythromycin	15042702	3
Caelo	Erythromycin	30011505	1
Caelo	Erythromycin	15042703	6
Caelo	Erythromycin	28101405	1
Caelo	Estradiol benzoate	2021211-1	1
Caelo	Estradiol benzoate	21121204	1
Caelo	Estradiol benzoate		2
Caelo	Estradiol benzoate	92137389	1
Caelo	Estradiol benzoate	Ch.B10124913	1
Caelo	Estradiol benzoate	13277602	9
Caelo	Estradiol benzoate	84303830	1
Caelo	Estradiol benzoate	ch.b.150700901	1
Caelo	Estradiol benzoate	6091305	1
Caelo	Estradiol benzoate	10124909	3
Caelo	Estradiol benzoate	10124912	1
Caelo	Estradiol benzoate	10124915	2
Caelo	Estradiol benzoate	10124918	2
Caelo	Estradiol benzoate	15C10B04305523	1
Caelo	Estradiol benzoate	13276401	6
Caelo	Estradiol benzoate	13277605	5
Caelo	Estradiol benzoate	13277607	3
Caelo	Estradiol benzoate	15078602	4
Caelo	Estradiol benzoate	15078603	2
Caelo	Estradiol benzoate	15078603	8
Caelo	Estradiol benzoate	15078604	2
Caelo	Estradiol benzoate	15078604	2
Caelo	Estradiol benzoate	10124921	3
Caelo	Estradiol benzoate	10124919	1
Caelo	Estradiol benzoate	11L23-N01	3
Caelo	Estradiol benzoate	12255903	3
Caelo	Estradiol benzoate	12255904	13
Caelo	Estradiol benzoate	12255905	15
Caelo	Estradiol hemihydrate	11078113	1
Caelo	Estradiol hemihydrate	11078104	1
Caelo	Estradiol hemihydrate	9248916	1
Caelo	Estradiol hemihydrate	19051501	1
Caelo	Estradiol hemihydrate	12172003	2
Caelo	Estradiol hemihydrate	11078105	1
Caelo	Estradiol hemihydrate	12268012	4
Caelo	Estradiol hemihydrate	13285802	5
Caelo	Estradiol hemihydrate	13285811	3
Caelo	Estradiol hemihydrate	15038004	3
Caelo	Estradiol hemihydrate	1503801	1
Caelo	Estradiol hemihydrate	15038010	1
Caelo	Estradiol hemihydrate	22101301	1
Caelo	Estradiol hemihydrate	13285801	1
Caelo	Estradiol hemihydrate	12268003	2
Caelo	Estradiol hemihydrate	84201560	1
Caelo	Estradiol valerate	5315A-03259	1
Caelo	Estradiol valerate	12G05-N09	5
Caelo	Estradiol valerate	13264003	1
Caelo	Estradiol valerate	test	1
Caelo	Estradiol valerate	4214U-03259	1
Caelo	Estradiol valerate	13264001	1
Caelo	Estradiol valerate	15c10-B05-305396	1

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Supplier	Substance	Batch	Spectra
Caelo	Estradiol valerate	15C10B05308851	1
Caelo	Estriol	13256001	1
Caelo	Estriol	11254412	2
Caelo	Estriol	27061303	1
Caelo	Estriol	14272101	2
Caelo	Estriol	14077904	7
Caelo	Estriol	14077903	2
Caelo	Estriol	14077901	1
Caelo	Estriol	13256004	10
Caelo	Estriol	12H06N02	1
Caelo	Estriol	14272101	1
Caelo	Estriol	20040711-9	1
Caelo	Estriol	16053408	1
Caelo	Estriol	15297805	1
Caelo	Estriol	15297804	4
Caelo	Estriol	15028905	1
Caelo	Estriol	15028901	1
Caelo	Estriol	14272104	3
Caelo	Estriol	12298707	2
Caelo	Estriol	10053206	1
Caelo	Estriol	24031501	1
Caelo	Estriol	11254402	2
Caelo	Estriol	11254408	1
Caelo	Estriol	11254410	1
Caelo	Estriol	12298706	3
Caelo	Estriol	12298704	7
Caelo	Estriol	12298702	2
Caelo	Estriol	10H30-N06	1
Caelo	Estriol	12032507	5
Caelo	Estriol	12032503	4
Caelo	Ethacridine lactate m...	15438003	1
Caelo	Ethacridine lactate m...	15/214/R	1
Caelo	Ethacridine lactate m...	12149514	1
Caelo	Ethacridine lactate m...	15438007	1
Caelo	Ethacridine lactate m...	15177603	2
Caelo	Ethacridine lactate m...	10288702	1
Caelo	Ethacridine lactate m...	11J07-N05	1
Caelo	Ethacridine lactate m...	1412034-01	2
Caelo	Ethacridine lactate m...	141203401	1
Caelo	Ethacridine lactate m...	12268407	3
Caelo	Ethacridine lactate m...	12149507	3
Caelo	Ethacridine lactate m...	11173703	1
Caelo	Ethinyl estradiol	130909	1
Caelo	Eucalyptus leaf, cut	11307703	3
Caelo	Eucalyptus leaf, cut	12225202	1
Caelo	Eucalyptus leaf, cut	9346812	1
Caelo	Eucalyptus leaf, cut	9346807	1
Caelo	Eucalyptus leaf, cut	122250204	1
Caelo	Eucalyptus leaf, cut	11307705	2
Caelo	Eucalyptus leaf, cut	12225203	3
Caelo	Eucalyptus leaf, cut	11307708	2
Caelo	Eucalyptus leaf, cut	12225206	1
Caelo	Eucalyptus leaf, cut	9346811	2
Caelo	Eucalyptus leaf, cut	11307706	1
Caelo	Euphrasy herb, cut	30101307	1
Caelo	Euphrasy herb, cut	312052	1
Caelo	Euphrasy herb, cut	9311411	1
Caelo	Euphrasy herb, cut	11030812	4
Caelo	Euphrasy herb, cut	12103201	1
Caelo	Euphrasy herb, cut	12103203	8

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Supplier	Substance	Batch	Spectra
Caelo	Euphrasy herb, cut	1213202	1
Caelo	Euphrasy herb, cut	12103202	9
Caelo	Euphrasy herb, cut	13180001	5
Caelo	Euphrasy herb, cut	13180002	4
Caelo	Euphrasy herb, cut	13180004	6
Caelo	Euphrasy herb, cut	7051302	1
Caelo	Euphrasy herb, cut	112211643	1
Caelo	Euphrasy herb, cut	13180005	1
Caelo	Euphrasy herb, cut	11030811	3
Caelo	Euphrasy herb, cut	11030810	1
Caelo	Euphrasy herb, cut	29011302	1
Caelo	Euphrasy herb, cut	14019107	1
Caelo	Euphrasy herb, cut	14019102	2
Caelo	Euphrasy herb, cut	13180008	1
Caelo	Euphrasy herb, cut	8011419	1
Caelo	European golden rod, ...	12343102	1
Caelo	European golden rod, ...	12343103-3466312121	1
Caelo	European golden rod, ...	13386908	1
Caelo	Fenugreek	1131206	1
Caelo	Fenugreek	11313204	4
Caelo	Fenugreek	12252603	2
Caelo	Fenugreek	11313203	3
Caelo	Fenugreek	11313205	1
Caelo	Fenugreek	13013805	2
Caelo	Fenugreek	4912E-02803	1
Caelo	Fenugreek	13013803	7
Caelo	Fenugreek	13013802	2
Caelo	Fenugreek	13013801	2
Caelo	Fenugreek	12252601	2
Caelo	Ferric (III) sulfate ...	10354404	2
Caelo	Ferric (III) sulfate ...	10354412	1
Caelo	Ferric (III) sulfate ...	12175906	3
Caelo	Ferric (III) sulfate ...	1512210007	2
Caelo	Ferric (III) sulfate ...	10354415	1
Caelo	Ferric (III) sulfate ...	12175908	1
Caelo	Feverfew herb, cut	12380204	1
Caelo	Feverfew herb, cut	12380203	6
Caelo	Fluocinolonacetoneid, ...	2804013V-03	1
Caelo	Fluocinolonacetoneid, ...	12035003	2
Caelo	Frangula bark, cut	11340801	1
Caelo	Frangula bark, cut	11254001	3
Caelo	Frangula bark, cut	6011402	1
Caelo	Frangula bark, cut	12186001	1
Caelo	Frangula bark, cut	13203008	2
Caelo	Frangula bark, cut	12186003	1
Caelo	Frangula bark, cut	12185901	8
Caelo	Frangula bark, cut	1286003	1
Caelo	Frangula bark, cut	12186006	4
Caelo	Frangula bark, cut	12186005	1
Caelo	Frangula bark, cut	12186004	11
Caelo	Frangula bark, cut	12186002	13
Caelo	Frangula bark, cut	121860006	1
Caelo	Frangula bark, cut	eztetdt	1
Caelo	Fructose	11107-N06	1
Caelo	Fructose	13098901	1
Caelo	Fructose	13021304	1
Caelo	Fructose	121e29-n08	1
Caelo	Fructose	12132322	3
Caelo	Fructose	12132320	1
Caelo	Fructose	12132314	5

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Supplier	Substance	Batch	Spectra
Caelo	Fructose	12132313	3
Caelo	Fructose	12132310	1
Caelo	Fructose	12132309	2
Caelo	Fructose	13098902	3
Caelo	Fructose	13J18-B06-286896	3
Caelo	Fructose	130998922	1
Caelo	Fructose	13098922	1
Caelo	Fructose	13098918	1
Caelo	Fructose	13098917	3
Caelo	Fructose	13098915	1
Caelo	Fructose	13098914	3
Caelo	Fructose	13098911	1
Caelo	Fructose	13098909	1
Caelo	Fructose	13098904	1
Caelo	Fructose	12132305	6
Caelo	Fructose	7051304	1
Caelo	Fructose	5061503	1
Caelo	Fructose	1081501	1
Caelo	Fructose	1309213394	1
Caelo	Fructose	12132325	3
Caelo	Fructose	12132317	2
Caelo	Fructose	11258628	2
Caelo	Fructose	15A16-B07-305241	2
Caelo	Fructose	14096205	4
Caelo	Fructose	7111401	1
Caelo	Fructose	11258627	3
Caelo	Fructose	11258614	1
Caelo	Fructose	11258611	1
Caelo	Fructose	1114A03394	1
Caelo	Fructose	11071201	1
Caelo	Fructose	10381013	2
Caelo	Fructose	10381011	1
Caelo	Fructose	10071201	1
Caelo	Fructose	10051401	1
Caelo	Fructose	9031504	1
Caelo	Fructose	14096201	4
Caelo	Fructose	3313U-03394	1
Caelo	Fructose	31031401	1
Caelo	Fructose	21051303	1
Caelo	Fructose	20081402	1
Caelo	Fructose	18021501	1
Caelo	Fructose	16066106	1
Caelo	Fructose	Fructose1	1
Caelo	Fructose	16066103	1
Caelo	Fructose	15084311	1
Caelo	Fructose	15084308	1
Caelo	Fructose	14305206	1
Caelo	Fructose	14305201	1
Caelo	Fructose	Fructose2	1
Caelo	Fructose	15A16-B07	2
Caelo	Fructose	14305203	2
Caelo	Fructose	14096223	5
Caelo	Fructose	14096219	4
Caelo	Fructose	14096211	1
Caelo	Fructose	14096208	3
Caelo	Fructose	14096203	1
Caelo	Fructose	14305204	1
Caelo	Fructose	15271213	3
Caelo	Fructose	15271209	1
Caelo	Fructose	15271205	1

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Supplier	Substance	Batch	Spectra
Caelo	Fructose	152711201	1
Caelo	Fructose	15084312	1
Caelo	Fructose	15084305	1
Caelo	Fructose	15084301	1
Caelo	Fumitory, cut	111011411	1
Caelo	Fumitory, cut	11101408	1
Caelo	Fumitory, cut	1110145	1
Caelo	Fumitory, cut	12103401	2
Caelo	Fumitory, cut	12103402	5
Caelo	Fumitory, cut	8312901	1
Caelo	Fumitory, cut	11101405	2
Caelo	Fumitory, cut	11101406	2
Caelo	Fumitory, cut	11101410	2
Caelo	Fumitory, cut	11101411	5
Caelo	Fumitory, cut	11101413	5
Caelo	Fumitory, cut	7111201	1
Caelo	Fumitory, cut	12103404	3
Caelo	Fumitory, cut	72878477	1
Caelo	Fumitory, cut	31081201	1
Caelo	Fumitory, cut	1320902	2
Caelo	Fumitory, cut	13202905	2
Caelo	Fumitory, cut	13202902	15
Caelo	Fumitory, cut	12103405	10
Caelo	Fumitory, cut	12103406	3
Caelo	Fumitory, cut	12103407	6
Caelo	Fumitory, cut	12103408	5
Caelo	Fumitory, cut	13202901	2
Caelo	Gelatine, white	11314516	1
Caelo	Gelatine, white	11334020	1
Caelo	Gelatine, white	11334025	3
Caelo	Gelatine, white	12354401	1
Caelo	Gelatine, white	12354507	3
Caelo	Gelatine, white	4110I-01578	1
Caelo	Gelatine, white	11019322	1
Caelo	Gelatine, white	15084801	1
Caelo	Gelatine, white	14130912	1
Caelo	Gelatine, white	14130901	1
Caelo	Gelatine, white	15084806	1
Caelo	Gelatine, white	15320504	1
Caelo	Gelatine, white	11019308	1
Caelo	Gelatine, white	11019319	1
Caelo	Gentamicin sulfate	12146604	5
Caelo	Gentamicin sulfate	13I19-B05-286565	1
Caelo	Gentamicin sulfate	13205007	1
Caelo	Gentamicin sulfate	13205006	4
Caelo	Gentamicin sulfate	13205005	1
Caelo	Gentamicin sulfate	13205005	9
Caelo	Gentamicin sulfate	13205004	1
Caelo	Gentamicin sulfate	13189602	7
Caelo	Gentamicin sulfate	13205003	3
Caelo	Gentamicin sulfate	12146605	7
Caelo	Gentamicin sulfate	12146612	4
Caelo	Gentamicin sulfate	12163204	5
Caelo	Gentamicin sulfate	143533504	1
Caelo	Gentamicin sulfate	15226501	9
Caelo	Gentamicin sulfate	1506016-01	6
Caelo	Gentamicin sulfate	14K28-B06-303646	5
Caelo	Gentamicin sulfate	14K28-B06-303636	1
Caelo	Gentamicin sulfate	14E08-B03-294841	2
Caelo	Gentamicin sulfate	14353505	2

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Supplier	Substance	Batch	Spectra
Caelo	Gentamicin sulfate	14353504	1
Caelo	Gentamicin sulfate	14353504	5
Caelo	Gentamicin sulfate	14353503	1
Caelo	Gentamicin sulfate	14353503	7
Caelo	Gentamicin sulfate	14353502	2
Caelo	Gentamicin sulfate	12163206	1
Caelo	Gentamicin sulfate	13189612	1
Caelo	Gentamicin sulfate	13205005	1
Caelo	Gentamicin sulfate	13D24-N05	1
Caelo	Gentamicin sulfate	1710I-01582	1
Caelo	Gentamicin sulfate	3110806	1
Caelo	Gentamicin sulfate	312012	1
Caelo	Gentamicin sulfate	32131-01582	1
Caelo	Gentamicin sulfate	73402189	1
Caelo	Gentamicin sulfate		1
Caelo	Gentamicin sulfate	13091207	1
Caelo	Gentamicin sulfate	12163209	1
Caelo	Gentamicin sulfate	13189607	9
Caelo	Gentamicin sulfate	13205003	3
Caelo	Gentamicin sulfate	13189614	1
Caelo	Gentamicin sulfate	13189613	1
Caelo	Gentamicin sulfate	13189612	3
Caelo	Gentamicin sulfate	13189612	8
Caelo	Gentamicin sulfate	13189606	4
Caelo	Gentamicin sulfate	12146604	1
Caelo	Gentamicin sulfate	12146602	1
Caelo	Gentamicin sulfate	7011505	1
Caelo	Gentamicin sulfate	13189603	3
Caelo	Gentamicin sulfate	13189606	2
Caelo	Gentamicin sulfate	15258803	6
Caelo	Gentamicin sulfate	15258802	3
Caelo	Gentamicin sulfate	13189611	1
Caelo	Gentamicin sulfate	15258810	3
Caelo	Gentamicin sulfate	12G04-N16	6
Caelo	Gentamicin sulfate	1216602	1
Caelo	Gentamicin sulfate	15B03-B07-309482	1
Caelo	Gentamicin sulfate	12146602	11
Caelo	Gentamicin sulfate	1435303	1
Caelo	Gentamicin sulfate	1604054-01	3
Caelo	Gentamicin sulfate	ch. b. 15258802	1
Caelo	Gentamicin sulfate	17081502	1
Caelo	Gentamicin sulfate	15226502	1
Caelo	Gentamicin sulfate	13189607	5
Caelo	Gentamicin sulfate	11113308	5
Caelo	Gentamicin sulfate	11113304	4
Caelo	Gentamicin sulfate	11113303	2
Caelo	Gentamicin sulfate	111113309	1
Caelo	Gentamicin sulfate	10017820	1
Caelo	Gentamicin sulfate	15226502	5
Caelo	Gentamicin sulfate	15226508	1
Caelo	Gentamicin sulfate	3714I-01582	1
Caelo	Gentamicin sulfate	9115112	1
Caelo	Gentamicin sulfate	100017814	1
Caelo	Gentamicin sulfate	4563125	1
Caelo	Gentian root, cut	10263404	2
Caelo	Gentian root, cut	10263406	1
Caelo	Gentian root, cut	10263401	1
Caelo	Gentian root, cut	10263403	1
Caelo	Gentian root, cut	10263411	3
Caelo	Gentian root, cut	10263405	1

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Supplier	Substance	Batch	Spectra
Caelo	Gentian root, cut	Nachprüfung	1
Caelo	Gentian root, cut	Int. Ch:313091	1
Caelo	Gentian root, cut	6311B130305	3
Caelo	Gentian root, cut	3311i-02142	1
Caelo	Gentian root, cut	30011301	1
Caelo	Gentian root, cut	10263413	1
Caelo	Gentian root, cut	12244607	1
Caelo	Gentian root, cut	1244603	1
Caelo	Gentian root, cut	13156102	1
Caelo	Gentian root, cut	2913A-02142	1
Caelo	Ginger, peeled	11325713	1
Caelo	Ginger, peeled	13310602	2
Caelo	Ginger, peeled	11325715	2
Caelo	Ginger, peeled	11325719	3
Caelo	Ginger, peeled	12180604	1
Caelo	Ginger, peeled	19121201	1
Caelo	Ginger, peeled	13310604	3
Caelo	Ginger, peeled	13100605	3
Caelo	Ginger, peeled	11325712	1
Caelo	Ginger, peeled	13100604	1
Caelo	Ginger, peeled	12164911-3368319002	1
Caelo	Ginger, peeled	13100602	2
Caelo	Ginger, peeled	11325703	1
Caelo	Ginseng root	12080218	1
Caelo	Glucosamine sulfate 2...	1122	1
Caelo	Glucose monohydrate	15095611	2
Caelo	Glucose monohydrate	15095612	10
Caelo	Glucose monohydrate	15180003	2
Caelo	Glucose monohydrate	15180001	8
Caelo	Glucose monohydrate	15180002	8
Caelo	Glucose monohydrate	15095605	2
Caelo	Glucose monohydrate	14334810	6
Caelo	Glucose monohydrate	14334808	1
Caelo	Glucose monohydrate	14334811	1
Caelo	Glucose monohydrate	14334809	1
Caelo	Glucose monohydrate	15095602	1
Caelo	Glucose monohydrate	15095603	1
Caelo	Glucose monohydrate	15180005	3
Caelo	Glucose monohydrate	28051507	1
Caelo	Glucose monohydrate	200415PJK01	1
Caelo	Glucose monohydrate	18071402	1
Caelo	Glucose monohydrate	16184801	2
Caelo	Glucose monohydrate	16049105	2
Caelo	Glucose monohydrate	16049104	1
Caelo	Glucose monohydrate	613011-3p	1
Caelo	Glucose monohydrate	14102424	1
Caelo	Glucose monohydrate	11314516	6
Caelo	Glucose monohydrate	1131416	1
Caelo	Glucose monohydrate	11082020	2
Caelo	Glucose monohydrate	11082014	1
Caelo	Glucose monohydrate	E056D	1
Caelo	Glucose monohydrate	16049103	1
Caelo	Glucose monohydrate	15413304	15
Caelo	Glucose monohydrate	15413303	1
Caelo	Glucose monohydrate	15413302	1
Caelo	Glucose monohydrate	15180016	1
Caelo	Glucose monohydrate	15180015	7
Caelo	Glucose monohydrate	15180012	11
Caelo	Glucose monohydrate	15413401	1
Caelo	Glucose monohydrate	16049102	3

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Supplier	Substance	Batch	Spectra
Caelo	Glucose monohydrate	16049101	7
Caelo	Glucose monohydrate	15413412	2
Caelo	Glucose monohydrate	15413410	2
Caelo	Glucose monohydrate	15413409	7
Caelo	Glucose monohydrate	15413405	2
Caelo	Glucose monohydrate	14334807	2
Caelo	Glucose monohydrate	2101402	1
Caelo	Glucose monohydrate	5051401	1
Caelo	Glucose monohydrate	11021509	1
Caelo	Glucose monohydrate	12284231	1
Caelo	Glucose monohydrate	13157005	13
Caelo	Glucose monohydrate	13157008	2
Caelo	Glucose monohydrate	13157011	13
Caelo	Glucose monohydrate	13157012	1
Caelo	Glucose monohydrate	12284219	11
Caelo	Glucose monohydrate	14102427	1
Caelo	Glucose monohydrate	12284229	5
Caelo	Glucose monohydrate	13157007	9
Caelo	Glucose monohydrate	1134506	1
Caelo	Glucose monohydrate	15095606	1
Caelo	Glucose monohydrate	14334805	2
Caelo	Glucose monohydrate	nachprüfung	2
Caelo	Glucose monohydrate	13157022	1
Caelo	Glucose monohydrate	12284222	3
Caelo	Glucose monohydrate	13157013	1
Caelo	Glucose monohydrate	12284202	9
Caelo	Glucose monohydrate	11L19-N13	4
Caelo	Glucose monohydrate	11314528	11
Caelo	Glucose monohydrate	11314526	1
Caelo	Glucose monohydrate	11314525	1
Caelo	Glucose monohydrate	14102420	5
Caelo	Glucose monohydrate	14102421	7
Caelo	Glucose monohydrate	11314521	1
Caelo	Glucose monohydrate	14102430	4
Caelo	Glucose monohydrate	12284204	2
Caelo	Glucose monohydrate	13157019	9
Caelo	Glucose monohydrate	13H06-N08	18
Caelo	Glucose monohydrate	14102401	4
Caelo	Glucose monohydrate	14102411	6
Caelo	Glucose monohydrate	14102412	13
Caelo	Glucose monohydrate	14102415	1
Caelo	Glucose monohydrate	12284210	2
Caelo	Glucose monohydrate	14102418	8
Caelo	Glucose monohydrate	14102416	6
Caelo	Glucose monohydrate	11314519	2
Caelo	Glucose, anhydrous	15095003	2
Caelo	Glucose, anhydrous	12294509-3425311150	1
Caelo	Glucose, anhydrous	15095005	1
Caelo	Glucose, anhydrous	16050502	3
Caelo	Glucose, anhydrous	16050504	1
Caelo	Glucose, anhydrous	13178702	2
Caelo	Glucose, anhydrous	16050510	1
Caelo	Glucose, anhydrous	1317815	1
Caelo	Glucose, anhydrous	12294519	1
Caelo	Glucose, anhydrous	12294515	4
Caelo	Glucose, anhydrous	12294514	1
Caelo	Glucose, anhydrous	12294510	3
Caelo	Glucose, anhydrous	12294509	5
Caelo	Glucose, anhydrous	16050501	4
Caelo	Glucose, anhydrous	13329501	3

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Supplier	Substance	Batch	Spectra
Caelo	Glucose, anhydrous	13178718	1
Caelo	Glucose, anhydrous	13178716	2
Caelo	Glucose, anhydrous	13178711	3
Caelo	Glucose, anhydrous	15148808	3
Caelo	Glucose, anhydrous	15148809	1
Caelo	Glucose, anhydrous	15148810	2
Caelo	Glucose, anhydrous	15329001	2
Caelo	Glucose, anhydrous	15329004	2
Caelo	Glucose, anhydrous	13178704	4
Caelo	Glucose, anhydrous	15329006	3
Caelo	Glucose, anhydrous	12294505	3
Caelo	Glucose, anhydrous	1114A03393	1
Caelo	Glucose, anhydrous	11017121	1
Caelo	Glucose, anhydrous	11017108	1
Caelo	Glucose, anhydrous	1001313393	1
Caelo	Glucose, anhydrous	712213393	1
Caelo	Glucose, anhydrous	402313393	2
Caelo	Glucose, anhydrous	214U-03393	1
Caelo	Glucose, anhydrous	208223393	1
Caelo	Glucose, anhydrous	106213393	1
Caelo	Glucose, anhydrous	3214M-03393	1
Caelo	Glucose, anhydrous	1914I03393	1
Caelo	Glucose, anhydrous	11358813	1
Caelo	Glucose, anhydrous	12141718	1
Caelo	Glucose, anhydrous	12141717	2
Caelo	Glucose, anhydrous	12141714	2
Caelo	Glucose, anhydrous	12141711	2
Caelo	Glucose, anhydrous	12141706	4
Caelo	Glucose, anhydrous	12141701	1
Caelo	Glucose, anhydrous	11358825	1
Caelo	Glucose, anhydrous	1614U3393	1
Caelo	Glucose, anhydrous	23091401	1
Caelo	Glucose, anhydrous	2013Q-03393	1
Caelo	Glucose, anhydrous	11358818	2
Caelo	Glucose, anhydrous	13329504	2
Caelo	Glucose, anhydrous	47131-03393	1
Caelo	Glucose, anhydrous	4313Q3393	1
Caelo	Glucose, anhydrous	3513I-03393	1
Caelo	Glucose, anhydrous	13329503	2
Caelo	Glucose, anhydrous	13329512	6
Caelo	Glucose, anhydrous	14033901	2
Caelo	Glucose, anhydrous	14033902	6
Caelo	Glucose, anhydrous	14033906	4
Caelo	Glucose, anhydrous	26041303	1
Caelo	Glucose, anhydrous	2513M03393	1
Caelo	Glucose, anhydrous	25061204	1
Caelo	Glucose, anhydrous	5013I3393	1
Caelo	Glucose, anhydrous	16157406	2
Caelo	Glucose, anhydrous	3121402	1
Caelo	Glucose, anhydrous	4071505	1
Caelo	Glucose, anhydrous	5081401	1
Caelo	Glucose, anhydrous	6031505	1
Caelo	Glucose, anhydrous	10091503	1
Caelo	Glucose, anhydrous	13041501	1
Caelo	Glucose, anhydrous	13178712	1
Caelo	Glucose, anhydrous	Glucose2	1
Caelo	Glucose, anhydrous	Glucose1	1
Caelo	Glucose, anhydrous	AKD14	1
Caelo	Glucose, anhydrous	2102201301	1
Caelo	Glucose, anhydrous	14319304	3

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Supplier	Substance	Batch	Spectra
Caelo	Glucose, anhydrous	14319309	3
Caelo	Glucose, anhydrous	15095001	1
Caelo	Glucose, anhydrous	15095004	2
Caelo	Glucose, anhydrous	15148801	2
Caelo	Glucose, anhydrous	15148802	3
Caelo	Glucose, anhydrous	15148807	4
Caelo	Glucose, anhydrous	16101204	1
Caelo	Glucose, anhydrous	1603213393	1
Caelo	Glucose, anhydrous	15051301	1
Caelo	Glucose, anhydrous	13329507	2
Caelo	Glucose, anhydrous	14319302	1
Caelo	Glucose, anhydrous	14033907	4
Caelo	Glucose, anhydrous	16101205	1
Caelo	Glucose, anhydrous	14033908	1
Caelo	Glucose, anhydrous	14051401	1
Caelo	Glucose, anhydrous	14142301	1
Caelo	Glucose, anhydrous	14142301	1
Caelo	Glucose, anhydrous	14142304	1
Caelo	Glucose, anhydrous	14142310	4
Caelo	Glucose, anhydrous	14142313	2
Caelo	Glucose, anhydrous	14142314	1
Caelo	Glucose, anhydrous	1415U-03393	1
Caelo	Glycerol monostearate...	14169717	2
Caelo	Glycerol monostearate...	14169710	1
Caelo	Glycerol monostearate...	14169701	1
Caelo	Glycerol monostearate...	13221308	1
Caelo	Glycerol monostearate...	131156602	1
Caelo	Glycerol monostearate...	15280903	1
Caelo	Glycerol monostearate...	13221303	2
Caelo	Glycerol monostearate...	13156601	3
Caelo	Glycerol monostearate...	12105729	1
Caelo	Glycerol monostearate...	14012002	4
Caelo	Glycerol monostearate...	13109304	10
Caelo	Glycerol monostearate...	1301821	1
Caelo	Glycerol monostearate...	13018201	3
Caelo	Glycerol monostearate...	15009203	6
Caelo	Glycerol monostearate...	13109405	2
Caelo	Glycerol monostearate...	14240611	1
Caelo	Glycerol monostearate...	1420607	1
Caelo	Glycerol monostearate...	14308310	1
Caelo	Glycerol monostearate...	13109410	1
Caelo	Glycerol monostearate...	11079308	1
Caelo	Glycerol monostearate...	16030301	1
Caelo	Goat's rue, cut	12017912	1
Caelo	Goat's rue, cut	11307903	2
Caelo	Goat's rue, cut	6061203	1
Caelo	Goat's rue, cut	12017914	1
Caelo	Goat's rue, cut	12343302	4
Caelo	Goat's rue, cut	12343303	7
Caelo	Goat's rue, cut	12343305	3
Caelo	Goat's rue, cut	12343308	1
Caelo	Goat's rue, cut	33131-01645	1
Caelo	Goat's rue, cut	12017907	3
Caelo	Goat's rue, cut	12017903	1
Caelo	Goat's rue, cut	12017913	1
Caelo	Goat's rue, cut	11175104	1
Caelo	Goat's rue, cut	11307901	1
Caelo	Gramicidin	13J15-N02	1
Caelo	Griseofulvin	100910	1
Caelo	Ground ivy herb, cut	11374606	1

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Supplier	Substance	Batch	Spectra
Caelo	Ground ivy herb, cut	11374602	1
Caelo	Ground ivy herb, cut	11052315	1
Caelo	Ground ivy herb, cut	11052314	1
Caelo	Ground ivy herb, cut	11052311	1
Caelo	Ground ivy herb, cut	11052318	2
Caelo	Ground ivy herb, cut	11374608	3
Caelo	Ground ivy herb, cut	3411A-01651	1
Caelo	Ground ivy herb, cut	11374615	1
Caelo	Ground ivy herb, cut	11374610	4
Caelo	Ground ivy herb, cut	11374611	1
Caelo	Ground ivy herb, cut	11374609	1
Caelo	Guaifenesin	1212002-01	1
Caelo	Guaifenesin	12277307	1
Caelo	Guaifenesin	12277311	1
Caelo	Hamamelis bark, cut	nachprüfung	1
Caelo	Hamamelis bark, cut	12361301	1
Caelo	Hamamelis bark, cut	12361303	1
Caelo	Hamamelis bark, cut	13123701	1
Caelo	Hamamelis bark, cut	13123703	1
Caelo	Hard fat (601)	13296104	1
Caelo	Hard fat (601)	15184901	1
Caelo	Hard fat (601)	14099608	1
Caelo	Hard fat in pastilles	13243419	2
Caelo	Hard fat in pastilles	13243418	4
Caelo	Hard fat in pastilles	13243412	1
Caelo	Hard fat in pastilles	13243409	3
Caelo	Hard fat in pastilles	13243401	1
Caelo	Hard fat in pastilles	B: 11109606	1
Caelo	Hard fat in pastilles	14126203	7
Caelo	Hard fat in pastilles	P182/14	1
Caelo	Hard fat in pastilles	11109616	1
Caelo	Hard fat in pastilles	11345905	4
Caelo	Hard fat in pastilles	12158104	6
Caelo	Hard fat in pastilles	13243301	5
Caelo	Hard fat in pastilles	13243411	4
Caelo	Hard fat in pastilles	1909E-02328	1
Caelo	Hard fat in pastilles	13243420	1
Caelo	Hard fat in pastilles	1135917	2
Caelo	Hard fat in pastilles	11345918	12
Caelo	Hard fat in pastilles	11345917	4
Caelo	Hard fat in pastilles	11345904	1
Caelo	Hard fat in pastilles	10158813	1
Caelo	Hard fat in pastilles	7101304	1
Caelo	Hard fat in pastilles	11285001	1
Caelo	Hard fat in pastilles	11109623	3
Caelo	Hard fat in pastilles	11109617	2
Caelo	Hard fat in pastilles	17041401	1
Caelo	Hard fat in pastilles	12111204	1
Caelo	Hard fat in pastilles	90915429	1
Caelo	Hard fat in pastilles	2511A-02328	1
Caelo	Hard fat in pastilles	24011302	1
Caelo	Hard fat in pastilles	13243414	1
Caelo	Hard fat in pastilles	12158122	3
Caelo	Hard fat in pastilles	13243416	1
Caelo	Hard fat in pastilles	10356001	1
Caelo	Hard fat in pastilles	20071501	1
Caelo	Hard fat in pastilles	12158114	4
Caelo	Hard fat in pastilles	12158109	3
Caelo	Hard fat in pastilles	16027801	2
Caelo	Hard fat in pastilles	14338704	2

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Supplier	Substance	Batch	Spectra
Caelo	Hard fat in pastilles	14338703	2
Caelo	Hard fat in pastilles	14126217	2
Caelo	Hard fat in pastilles	14126216	2
Caelo	Hard fat in pastilles	14126210	3
Caelo	Hard fat in pastilles	14126209	2
Caelo	Hard fat in pastilles	14126205	1
Caelo	Hard fat in pastilles	14126204	2
Caelo	Hard fat in pastilles	14126202	5
Caelo	Hard fat in pastilles	1412602	1
Caelo	Hard fat in pastilles	14338706	1
Caelo	Hard fat in pastilles	16021503	1
Caelo	Hard fat in pastilles	1518505	1
Caelo	Hard fat in pastilles	15185009	2
Caelo	Hard fat in pastilles	15185005	8
Caelo	Hard fat in pastilles	15185003	6
Caelo	Hard fat in pastilles	14338707	3
Caelo	Hard fat in pastilles	14338708	2
Caelo	Hard fat in pastilles	14338711	2
Caelo	Hard fat in pastilles	15111402	1
Caelo	Hard fat in pastilles	15185002	12
Caelo	Hawthorn flower	11068202	1
Caelo	Hawthorn flower	13253304	2
Caelo	Hawthorn flower	13253303	1
Caelo	Hawthorn flower	13010403	5
Caelo	Hawthorn flower	13010402	2
Caelo	Hawthorn flower	11068209	3
Caelo	Hawthorn flower	11068204	1
Caelo	Hawthorn flower	7121201	1
Caelo	Hawthorn flower	11068208	1
Caelo	Hawthorn flower	11068209	1
Caelo	Hawthorn flower	13010402	3
Caelo	Hawthorn flower	21051301	1
Caelo	Hawthorn flower	25101301	1
Caelo	Hawthorn flower	11068202	1
Caelo	Hawthorn flower	11068206	1
Caelo	Hawthorn fruit	13367203	1
Caelo	Hawthorn fruit	11278202	1
Caelo	Hawthorn fruit	13101402	1
Caelo	Hawthorn fruit	12326308	2
Caelo	Hawthorn fruit	12326304	1
Caelo	Hawthorn fruit	12326306	1
Caelo	Hawthorn fruit	12326307	2
Caelo	Hawthorn leaf with fl...	15188802	1
Caelo	Hawthorn leaf with fl...	IntCh:313082	1
Caelo	Hawthorn leaf with fl...	52467476	1
Caelo	Hawthorn leaf with fl...	12225107	5
Caelo	Hawthorn leaf with fl...	12225104	7
Caelo	Hawthorn leaf with fl...	1412M-01485	1
Caelo	Hawthorn leaf with fl...	12225108	6
Caelo	Hawthorn leaf with fl...	1222514	1
Caelo	Hawthorn leaf with fl...	12225207	1
Caelo	Hawthorn leaf with fl...	1225107	1
Caelo	Hawthorn leaf with fl...	13276703	2
Caelo	Hawthorn leaf with fl...	12225103	3
Caelo	Hawthorn leaf with fl...	16025802	1
Caelo	Hawthorn leaf with fl...	2225104	1
Caelo	Hawthorn leaf with fl...	10273415	1
Caelo	Hawthorn leaf with fl...	10273512	2
Caelo	Hawthorn leaf with fl...	10273511	1
Caelo	Hawthorn leaf with fl...	1518802	1

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Supplier	Substance	Batch	Spectra
Caelo	Hawthorn leaf with fl. ...	10273514	1
Caelo	Hawthorn leaf with fl. ...	1221707	1
Caelo	Hay flower	11099916	1
Caelo	Hay flower	12317101	10
Caelo	Hay flower	11099915	1
Caelo	Hay flower	12317104	10
Caelo	Hay flower	12317102	2
Caelo	Hay flower	11099910	1
Caelo	Hay flower	13142402	1
Caelo	Hay flower	14121301	1
Caelo	Hay flower	25101202	1
Caelo	Hay flower	3713E-01459	1
Caelo	Hay flower	3713F-01459	1
Caelo	Hay flower	11099914	3
Caelo	Hay flower	11099912	1
Caelo	Hay flower	11099904	1
Caelo	Hay flower	12317110	2
Caelo	Hay flower	11099909	3
Caelo	Hay flower	12317107	12
Caelo	Hay flower	12317108	2
Caelo	Hay flower	12371707	1
Caelo	Hay flower	13097301	1
Caelo	Hay flower	13097302	7
Caelo	Hay flower	11099902	1
Caelo	Hay flower	13099205	1
Caelo	Heather flower, rubbed	13014206	1
Caelo	Heather flower, rubbed	10270516	1
Caelo	Heather flower, rubbed	13014204	4
Caelo	Heather, cut	19111203	1
Caelo	Heather, cut	11102901	1
Caelo	Heather, cut	13367502	1
Caelo	Heather, cut	11011207	1
Caelo	Heather, cut	11011209	2
Caelo	Heather, cut	11011208	1
Caelo	Heather, cut	28061201	1
Caelo	Heather, cut	9291512	1
Caelo	Heavy alkaline bismut. ...	10F09-N13	1
Caelo	Heavy alkaline bismut. ...	11052805	1
Caelo	Heavy alkaline bismut. ...	10013213	1
Caelo	Heavy alkaline bismut. ...	12146902	1
Caelo	Heavy alkaline bismut. ...	12146903	7
Caelo	Heavy alkaline bismut. ...	12146909	4
Caelo	Heavy alkaline bismut. ...	12146911	4
Caelo	Heavy alkaline bismut. ...	12146913	3
Caelo	Heavy alkaline bismut. ...	4513M-01186	1
Caelo	Heavy alkaline bismut. ...	M468105	1
Caelo	Heavy alkaline bismut. ...	11052817	1
Caelo	Heavy alkaline bismut. ...	3081205	1
Caelo	Heavy alkaline bismut. ...	10013208	1
Caelo	Heavy alkaline bismut. ...	11052809	1
Caelo	Heavy alkaline bismut. ...	11052812	2
Caelo	Heavy, basic magnesi. ...	12135404	1
Caelo	Heavy, basic magnesi. ...	13123505	1
Caelo	Heavy, basic magnesi. ...	13123504	2
Caelo	Heavy, basic magnesi. ...	13123502	1
Caelo	Heavy, basic magnesi. ...	12135401	1
Caelo	Heavy, basic magnesi. ...	7011404	1
Caelo	Heavy, basic magnesi. ...	2091303	1
Caelo	Henna powder	12267311	1
Caelo	Henna powder	12122310	3

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Supplier	Substance	Batch	Spectra
Caelo	Henna powder	13262803	2
Caelo	Histamine dihydrochlo...	130500601	1
Caelo	Hop strobile	10240308	1
Caelo	Hop strobile	13187602	1
Caelo	Hop strobile	10036008	1
Caelo	Hop strobile	4756769	1
Caelo	Hop strobile	13123808	1
Caelo	Hop strobile	12008302	3
Caelo	Hop strobile	12006305	1
Caelo	Hop strobile	10240410	1
Caelo	Hop strobile	12380103	1
Caelo	Hop strobile	131223805	1
Caelo	Hop strobile	13123804	3
Caelo	Hop strobile	13123807	1
Caelo	Hop strobile	12380102	1
Caelo	Hop strobile	12221805	6
Caelo	Hop strobile	12221804	1
Caelo	Hop strobile	12221802	2
Caelo	Hop strobile	12008313	2
Caelo	Hop strobile	12008310	3
Caelo	Hop strobile	10240320	1
Caelo	Hop strobile	12008305	4
Caelo	Hop strobile	12008307	3
Caelo	Hop strobile	12380101	1
Caelo	Hop strobile	6091303	1
Caelo	Hop strobile	5021306	1
Caelo	Hop strobile	4111304	1
Caelo	Hop strobile	4212M-023337	1
Caelo	Hop strobile	30121301	1
Caelo	Hop strobile	1451B120202	8
Caelo	Hop strobile	14068007	1
Caelo	Hop strobile	13123802	3
Caelo	Hop strobile	12008309	5
Caelo	Hop strobile	13123804-3563412081	1
Caelo	Hop strobile	13123803-3505411011	1
Caelo	Hop strobile	13123803	7
Caelo	Hop strobile	13123802	9
Caelo	Hop strobile	12221807	1
Caelo	Hop strobile	12008317	7
Caelo	Hop strobile	12092001	5
Caelo	Hop strobile	12380101	7
Caelo	Hop strobile	13123806	1
Caelo	Hop strobile	12008310	4
Caelo	Hop strobile	12008311	1
Caelo	Hop strobile	12008306	1
Caelo	Hop strobile	12008303	1
Caelo	Hop strobile	12008312	1
Caelo	Hop strobile	120008312	1
Caelo	Hop strobile	12008315	1
Caelo	Hop strobile	13220502	1
Caelo	Hop strobile	1451b120817	2
Caelo	Hop strobile	15061211	1
Caelo	Hop strobile	14068001	1
Caelo	Horse chestnut leaf, ...	13126501	1
Caelo	Horse chestnut leaf, ...	11063503	4
Caelo	Horse chestnut leaf, ...	11063504	2
Caelo	Hyaluronic acid sodiu...	1263303	1
Caelo	Hyaluronic acid sodiu...	14188702	1
Caelo	Hyaluronic acid sodiu...	15204903	3
Caelo	Hyaluronic acid sodiu...	15204901	1

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Supplier	Substance	Batch	Spectra
Caelo	Hyaluronic acid sodiu...	14364706	1
Caelo	Hydrated sodium perbo...	13050807	1
Caelo	Hydrated sodium perbo...	13050805	1
Caelo	Hydrated sodium perbo...	13050801	2
Caelo	Hydrochlorothiazide	13008507	1
Caelo	Hydrochlorothiazide	13008509	4
Caelo	Hydrochlorothiazide	14009701	10
Caelo	Hydrochlorothiazide	14B10-B01-305043	1
Caelo	Hydrochlorothiazide	15231008	1
Caelo	Hydrochlorothiazide	11101n02	1
Caelo	Hydrochlorothiazide	CQ1108	1
Caelo	Hydrochlorothiazide	13008504	1
Caelo	Hydrochlorothiazide	P157/14	1
Caelo	Hydrocortisone	7101301	1
Caelo	Hydrocortisone	11L09-N06	1
Caelo	Hydrocortisone	11273704	2
Caelo	Hydrocortisone	11273703	1
Caelo	Hydrocortisone	113I-01719	1
Caelo	Hydrocortisone	810911	1
Caelo	Hydrocortisone	260416v4	1
Caelo	Hydrocortisone	13341511	2
Caelo	Hydrocortisone	12104301	2
Caelo	Hydrocortisone	12104304	15
Caelo	Hydrocortisone	11260308	4
Caelo	Hydrocortisone	11098413	1
Caelo	Hydrocortisone	11021302	1
Caelo	Hydrocortisone	10340502	2
Caelo	Hydrocortisone	1109845	1
Caelo	Hydrocortisone	9360908	1
Caelo	Hydrocortisone	11260302	1
Caelo	Hydrocortisone	11260303	2
Caelo	Hydrocortisone	11260304	1
Caelo	Hydrocortisone	11260305	3
Caelo	Hydrocortisone	11260307	2
Caelo	Hydrocortisone	12104305	3
Caelo	Hydrocortisone	24131-01719	1
Caelo	Hydrocortisone	2402211719	1
Caelo	Hydrocortisone	21101303	1
Caelo	Hydrocortisone	2013U-01719	1
Caelo	Hydrocortisone	12167007	10
Caelo	Hydrocortisone	17081301	1
Caelo	Hydrocortisone	13069505	3
Caelo	Hydrocortisone	133341502	1
Caelo	Hydrocortisone	13341501	5
Caelo	Hydrocortisone	13341502	7
Caelo	Hydrocortisone	13341509	5
Caelo	Hydrocortisone	3912Q-01719	1
Caelo	Hydrocortisone	39/AKD17	1
Caelo	Hydrocortisone	12167010	13
Caelo	Hydrocortisone	1216707	1
Caelo	Hydrocortisone	12119304	3
Caelo	Hydrocortisone	12119303	12
Caelo	Hydrocortisone	12104307	16
Caelo	Hydrocortisone	12104306	11
Caelo	Hydrocortisone	13069510	7
Caelo	Hydrocortisone	12k08-n01	1
Caelo	Hydrocortisone	13069506	9
Caelo	Hydrocortisone	13069501	8
Caelo	Hydrocortisone	13069502	9
Caelo	Hydrocortisone	1306906	1

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Supplier	Substance	Batch	Spectra
Caelo	Hydrocortisone	13063501	1
Caelo	Hydrocortisone	120403701	3
Caelo	Hydrocortisone	16272305	1
Caelo	Hydrocortisone	14301304	3
Caelo	Hydrocortisone	14301305	6
Caelo	Hydrocortisone	14301307	1
Caelo	Hydrocortisone	14301310	10
Caelo	Hydrocortisone	14301311	5
Caelo	Hydrocortisone	14301312	4
Caelo	Hydrocortisone	15021105	4
Caelo	Hydrocortisone	15021104	2
Caelo	Hydrocortisone	1501105	1
Caelo	Hydrocortisone	1431311	1
Caelo	Hydrocortisone	1430312	1
Caelo	Hydrocortisone	14301313	4
Caelo	Hydrocortisone	14115108	1
Caelo	Hydrocortisone	13155603	9
Caelo	Hydrocortisone	13155602	9
Caelo	Hydrocortisone	140301305	1
Caelo	Hydrocortisone	13341510	9
Caelo	Hydrocortisone	13H08-B01-285471	2
Caelo	Hydrocortisone	13342504	1
Caelo	Hydrocortisone	13341504	9
Caelo	Hydrocortisone	14115105	3
Caelo	Hydrocortisone	14115104	1
Caelo	Hydrocortisone	14115103	3
Caelo	Hydrocortisone	3081604	1
Caelo	Hydrocortisone	9271205	2
Caelo	Hydrocortisone	10282208	2
Caelo	Hydrocortisone	15021106	2
Caelo	Hydrocortisone	15278706	1
Caelo	Hydrocortisone	15356902	1
Caelo	Hydrocortisone	16004603	2
Caelo	Hydrocortisone	16004604	9
Caelo	Hydrocortisone	16004605	4
Caelo	Hydrocortisone	16004607	5
Caelo	Hydrocortisone	16095209	2
Caelo	Hydrocortisone	16095202	2
Caelo	Hydrocortisone	16095201	3
Caelo	Hydrocortisone	16004612	2
Caelo	Hydrocortisone	16004611	1
Caelo	Hydrocortisone	16004608	2
Caelo	Hydrocortisone	15278705	4
Caelo	Hydrocortisone	15181007	3
Caelo	Hydrocortisone	15181006	7
Caelo	Hydrocortisone	15181003	6
Caelo	Hydrocortisone	1518013	1
Caelo	Hydrocortisone	1505016-01	16
Caelo	Hydrocortisone	15021107	9
Caelo	Hydrocortisone	15181008	1
Caelo	Hydrocortisone	15278703	6
Caelo	Hydrocortisone	15278702	3
Caelo	Hydrocortisone	15216101	4
Caelo	Hydrocortisone	15181014	1
Caelo	Hydrocortisone	15181013	5
Caelo	Hydrocortisone	15181012	3
Caelo	Hydrocortisone	13155601	13
Caelo	Hydrocortisone	13155614	3
Caelo	Hydrocortisone	13155605	6
Caelo	Hydrocortisone	9271202	1

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Supplier	Substance	Batch	Spectra
Caelo	Hydrocortisone	12167010-3437311151	1
Caelo	Hydrocortisone	13155604	9
Caelo	Hydrocortisone	13155611	2
Caelo	Hydrocortisone acetate	27091307	1
Caelo	Hydrocortisone acetate	2612M01718	1
Caelo	Hydrocortisone acetate	2061401	1
Caelo	Hydrocortisone acetate	3110491	1
Caelo	Hydrocortisone acetate	14043907	12
Caelo	Hydrocortisone acetate	16095406	2
Caelo	Hydrocortisone acetate	27091403	1
Caelo	Hydrocortisone acetate	28071508	1
Caelo	Hydrocortisone acetate	CH13291705	1
Caelo	Hydrocortisone acetate	P156/14	1
Caelo	Hydrocortisone acetate	12330111-3507411061	1
Caelo	Hydrocortisone acetate	14043908	2
Caelo	Hydrocortisone acetate	14043906	12
Caelo	Hydrocortisone acetate	18011304	1
Caelo	Hydrocortisone acetate	17011402	1
Caelo	Hydrocortisone acetate	15061207	1
Caelo	Hydrocortisone acetate	1406211718	1
Caelo	Hydrocortisone acetate	131553080	1
Caelo	Hydrocortisone acetate	13155304	6
Caelo	Hydrocortisone acetate	13155302	11
Caelo	Hydrocortisone acetate	20220911-3	1
Caelo	Hydrocortisone acetate	3110516	1
Caelo	Hydrocortisone acetate	12021502	1
Caelo	Hydrocortisone acetate	12182405	23
Caelo	Hydrocortisone acetate	12330102	7
Caelo	Hydrocortisone acetate	12330108	14
Caelo	Hydrocortisone acetate	14043904	13
Caelo	Hydrocortisone acetate	25101201	1
Caelo	Hydrocortisone acetate	16095405	2
Caelo	Hydrocortisone acetate	15067004	8
Caelo	Hydrocortisone acetate	15067005	12
Caelo	Hydrocortisone acetate	15067006	4
Caelo	Hydrocortisone acetate	15067010	2
Caelo	Hydrocortisone acetate	15067011	3
Caelo	Hydrocortisone acetate	15067013	3
Caelo	Hydrocortisone acetate	1430102	1
Caelo	Hydrocortisone acetate	15067003	6
Caelo	Hydrocortisone acetate	14301408	6
Caelo	Hydrocortisone acetate	14301407	9
Caelo	Hydrocortisone acetate	14301406	6
Caelo	Hydrocortisone acetate	14301405	13
Caelo	Hydrocortisone acetate	14301404	4
Caelo	Hydrocortisone acetate	14301402	4
Caelo	Hydrocortisone acetate	14301401	13
Caelo	Hydrocortisone acetate	15356901	5
Caelo	Hydrocortisone acetate	16004406	7
Caelo	Hydrocortisone acetate	16004407	8
Caelo	Hydrocortisone acetate	16004408	4
Caelo	Hydrocortisone acetate	14144806	11
Caelo	Hydrocortisone acetate	14144805	14
Caelo	Hydrocortisone acetate	14144803	7
Caelo	Hydrocortisone acetate	14144802	1
Caelo	Hydrocortisone acetate	16004405	5
Caelo	Hydrocortisone acetate	15356902	12
Caelo	Hydrocortisone acetate	15356903	11
Caelo	Hydrocortisone acetate	15356904	4
Caelo	Hydrocortisone acetate	15A07-B03-306545	1

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Supplier	Substance	Batch	Spectra
Caelo	Hydrocortisone acetate	14144807	7
Caelo	Hydrocortisone acetate	15H24-B01-314236	1
Caelo	Hydrocortisone acetate	16004402	5
Caelo	Hydrocortisone acetate	16004403	3
Caelo	Hydrocortisone acetate	1315304	1
Caelo	Hydrocortisone acetate	10301913	1
Caelo	Hydrocortisone acetate	11098604	1
Caelo	Hydrocortisone acetate	11098611	1
Caelo	Hydrocortisone acetate	11098612	1
Caelo	Hydrocortisone acetate	13G09-N08	7
Caelo	Hydrocortisone acetate	11098615	1
Caelo	Hydrocortisone acetate	10083911	1
Caelo	Hydrocortisone acetate	12330116	12
Caelo	Hydrocortisone acetate	12182408	2
Caelo	Hydrocortisone acetate	213E-01719	1
Caelo	Hydrocortisone acetate	14043902	8
Caelo	Hydrocortisone acetate	1213M-01718	1
Caelo	Hydrocortisone acetate	7051303	1
Caelo	Hydrocortisone acetate	14043901	10
Caelo	Hydrocortisone acetate	1113E-01718	1
Caelo	Hydrocortisone acetate	12008402	4
Caelo	Hydrocortisone acetate	1391704	1
Caelo	Hydrocortisone acetate	12008403	2
Caelo	Hydrocortisone acetate	12008404	3
Caelo	Hydrocortisone acetate	12008405	6
Caelo	Hydrocortisone acetate	12008411	4
Caelo	Hydrocortisone acetate	11263917	3
Caelo	Hydrocortisone acetate	11263902	1
Caelo	Hydrocortisone acetate	11263905	2
Caelo	Hydrocortisone acetate	11263907	1
Caelo	Hydrocortisone acetate	11263911	1
Caelo	Hydrocortisone acetate	11263913	3
Caelo	Hydrocortisone acetate	11263915	2
Caelo	Hydrocortisone acetate	11263916	4
Caelo	Hydrocortisone acetate	13291708	9
Caelo	Hydrocortisone acetate	12330104	11
Caelo	Hydrocortisone acetate	12183403	1
Caelo	Hydrocortisone acetate	13291705	2
Caelo	Hydrocortisone acetate	12330105	4
Caelo	Hydrocortisone acetate	13155306	6
Caelo	Hydrocortisone acetate	1315503	1
Caelo	Hydrocortisone acetate	13291706	11
Caelo	Hydrocortisone acetate	13291707	15
Caelo	Hydrocortisone acetate	13291709	2
Caelo	Hydrocortisone acetate	12330112	14
Caelo	Hydrocortisone acetate	12182404	22
Caelo	Hydrocortisone acetate	14043903	10
Caelo	Hydrocortisone acetate	12248501	1
Caelo	Hydrocortisone acetate	12330111	8
Caelo	Hydrocortisone acetate	13291704	4
Caelo	Hydrocortisone acetate	1233016	1
Caelo	Hydrocortisone acetate	12330114	2
Caelo	Hydrocortisone acetate	12330113	3
Caelo	Hydrocortisone acetate	13155308	9
Caelo	Hydrocortisone acetate	12330110	4
Caelo	Hydrocortisone acetate	12182402	13
Caelo	Hydrocortisone acetate	12182403	7
Caelo	Hydrocortisone acetate	12330106	5
Caelo	Hydrocortisone acetate	13291701	2
Caelo	Hydrocortisone acetate	13155307	3

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Supplier	Substance	Batch	Spectra
Caelo	Hydrocortisone acetate	12330107	11
Caelo	Hydroquinone	14280104	1
Caelo	Hydroquinone	15057001	3
Caelo	Hydroquinone	15057004	5
Caelo	Hydroquinone	14281507	4
Caelo	Hydroquinone	14281501	7
Caelo	Hydroquinone	14280110	1
Caelo	Hydroquinone	14280104	1
Caelo	Hydroquinone	14280105	1
Caelo	Hydroquinone	15057010	6
Caelo	Hydroquinone	14026902	5
Caelo	Hydroquinone	1163902	1
Caelo	Hydroquinone	13105405	8
Caelo	Hydroquinone	12156705	5
Caelo	Hydroquinone	12288505	10
Caelo	Hydroquinone	13105402	9
Caelo	Hydroquinone	1228503	1
Caelo	Hydroquinone	11163905	4
Caelo	Hydroquinone	72265417	1
Caelo	Hydroquinone	12288502	2
Caelo	Hydroquinone	20200712-3	1
Caelo	Hydroquinone	14121202	1
Caelo	Hydroquinone	11163912/Int312052	1
Caelo	Hydroquinone	16051502	1
Caelo	Hydroquinone	18031403	1
Caelo	Hydroquinone	12285201	1
Caelo	Hydroquinone	2313I-01717Nachprüf	1
Caelo	Hydroquinone	14180410	1
Caelo	Hydroquinone	14180401	1
Caelo	Hydroquinone	11163912	6
Caelo	Hydroquinone	11163907	5
Caelo	Hydroquinone	10145113	2
Caelo	Hydroquinone	10145103	1
Caelo	Hydroquinone	10145101	1
Caelo	Hydroquinone	14180406	3
Caelo	Hydroxyethylcellulose...	220914PML02	1
Caelo	Hydroxyethylcellulose...	14256002	2
Caelo	Hydroxyethylcellulose...	15086403	3
Caelo	Hydroxyethylcellulose...	16100607	1
Caelo	Hydroxyethylcellulose...	160603001	1
Caelo	Hydroxyethylcellulose...	16100604	1
Caelo	Hydroxyethylcellulose...	16100605	1
Caelo	Hydroxyethylcellulose...	213M-03301	1
Caelo	Hydroxyethylcellulose...	21011502	1
Caelo	Hydroxyethylcellulose...	31031402	1
Caelo	Hydroxyethylcellulose...	12274720	1
Caelo	Hydroxyethylcellulose...	25071301	1
Caelo	Hydroxyethylcellulose...	19011302	1
Caelo	Hydroxyethylcellulose...	16100606	7
Caelo	Hydroxyethylcellulose...	16100612	1
Caelo	Hydroxyethylcellulose...	15086405	1
Caelo	Hydroxyethylcellulose...	15086405	4
Caelo	Hydroxyethylcellulose...	15086407	3
Caelo	Hydroxyethylcellulose...	16100617	2
Caelo	Hydroxyethylcellulose...	15086408	1
Caelo	Hydroxyethylcellulose...	15086503	1
Caelo	Hydroxyethylcellulose...	15086507	1
Caelo	Hydroxyethylcellulose...	15086506	1
Caelo	Hydroxyethylcellulose...	15086505	1
Caelo	Hydroxyethylcellulose...	313Q-03301	1

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Supplier	Substance	Batch	Spectra
Caelo	Hydroxyethylcellulose...	16100612	1
Caelo	Hydroxyethylcellulose...	15086504	2
Caelo	Hydroxyethylcellulose...	19051406	1
Caelo	Hydroxyethylcellulose...	4815A-03301	1
Caelo	Hydroxyethylcellulose...	130902001	2
Caelo	Hydroxyethylcellulose...	12156902	3
Caelo	Hydroxyethylcellulose...	12156915	1
Caelo	Hydroxyethylcellulose...	1315306	1
Caelo	Hydroxyethylcellulose...	13153505	11
Caelo	Hydroxyethylcellulose...	133785	1
Caelo	Hydroxyethylcellulose...	1337808	1
Caelo	Hydroxyethylcellulose...	1337807	1
Caelo	Hydroxyethylcellulose...	5012I-03301	1
Caelo	Hydroxyethylcellulose...	AKD10	1
Caelo	Hydroxyethylcellulose...	13153511	9
Caelo	Hydroxyethylcellulose...	11186202	2
Caelo	Hydroxyethylcellulose...	10019408	2
Caelo	Hydroxyethylcellulose...	1110024-01	5
Caelo	Hydroxyethylcellulose...	1113E-03301	1
Caelo	Hydroxyethylcellulose...	11186221	2
Caelo	Hydroxyethylcellulose...	11266316	1
Caelo	Hydroxyethylcellulose...	11266317	1
Caelo	Hydroxyethylcellulose...	12156907	12
Caelo	Hydroxyethylcellulose...	1309020-01	25
Caelo	Hydroxyethylcellulose...	11266305	6
Caelo	Hydroxyethylcellulose...	13041502	1
Caelo	Hydroxyethylcellulose...	12369711	5
Caelo	Hydroxyethylcellulose...	213I-03301	1
Caelo	Hydroxyethylcellulose...	8051305	1
Caelo	Hydroxyethylcellulose...	13378502	5
Caelo	Hydroxyethylcellulose...	12369713	3
Caelo	Hydroxyethylcellulose...	12369717	2
Caelo	Hydroxyethylcellulose...	13153501	11
Caelo	Hydroxyethylcellulose...	13378524	1
Caelo	Hydroxyethylcellulose...	13153502	1
Caelo	Hydroxyethylcellulose...	13153506	8
Caelo	Hydroxyethylcellulose...	140317	1
Caelo	Hydroxyethylcellulose...	12369704	11
Caelo	Hydroxyethylcellulose...	122492014	1
Caelo	Hydroxyethylcellulose...	12249202	3
Caelo	Hydroxyethylcellulose...	12249204	4
Caelo	Hydroxyethylcellulose...	12249205	4
Caelo	Hydroxyethylcellulose...	12249216	7
Caelo	Hydroxyethylcellulose...	1406017-01	24
Caelo	Hydroxyethylcellulose...	13H22-N11	9
Caelo	Hydroxyethylcellulose...	26071212	1
Caelo	Hydroxyethylcellulose...	13378510	1
Caelo	Hydroxyethylcellulose...	13378510	1
Caelo	Hydroxyethylcellulose...	13378508	3
Caelo	Hydroxyethylcellulose...	13378515	3
Caelo	Hydroxyethylcellulose...	26071301	1
Caelo	Hydroxyethylcellulose...	20031305	1
Caelo	Hydroxyethylcellulose...	4512I-03301	1
Caelo	Hydroxyethylcellulose...	13378518	1
Caelo	Hydroxyethylcellulose...	290114PML01	1
Caelo	Hydroxyethylcellulose...	13378516	2
Caelo	Hydroxyethylcellulose...	11304614	1
Caelo	Hydroxyethylcellulose...	11304620	4
Caelo	Hydroxyethylcellulose...	14095905	1
Caelo	Hydroxyethylcellulose...	15199501	4

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Supplier	Substance	Batch	Spectra
Caelo	Hydroxyethylcellulose...	11304619	1
Caelo	Hydroxyethylcellulose...	14352510	1
Caelo	Hydroxyethylcellulose...	12274710	2
Caelo	Hydroxyethylcellulose...	13182714	1
Caelo	Hydroxyethylcellulose...	11304601	1
Caelo	Hydroxyethylcellulose...	14095901	1
Caelo	Hydroxyethylcellulose...	1309020-01	1
Caelo	Hydroxyethylcellulose...	13182702	6
Caelo	Hydroxyethylcellulose...	14095911	3
Caelo	Hydroxyethylcellulose...	14352508	1
Caelo	Hydroxyethylcellulose...	14352510	1
Caelo	Hydroxyethylcellulose...	14352515	1
Caelo	Hydroxyethylcellulose...	12274702	2
Caelo	Hydroxypropyl cellulo...	14189801	1
Caelo	Hydroxypropyl cellulo...	13031309	1
Caelo	Hyoscine hydrobromide	14278801	1
Caelo	Hypromellose 4000	14338801	1
Caelo	Hypromellose 4000	14338802	1
Caelo	Hypromellose 4000	1438801	1
Caelo	Hypromellose 4000	15B02-B05-308852	2
Caelo	Hypromellose 4000	13155004	4
Caelo	Hypromellose 4000	13155004	5
Caelo	Hypromellose 4000	13155002	1
Caelo	Hypromellose 4000	13D03-N03	4
Caelo	Hypromellose 4000	13d03-n03	1
Caelo	Hypromellose 4000	13100304	1
Caelo	Hypromellose 4000	16224401	2
Caelo	Hypromellose 4000	12215504	2
Caelo	Hypromellose 4000	ZH19012N12	4
Caelo	Hypromellose 4000	13155005	1
Caelo	Hypromellose 4000	13100304	2
Caelo	Hypromellose 4000	12098702	1
Caelo	Hyssop herb, cut	11374304	1
Caelo	Hyssop herb, cut	11374303	2
Caelo	Hyssop herb, cut	13143902	1
Caelo	Iodoform	15276001	1
Caelo	Iodoform	12070102	3
Caelo	Iodoform	16012201	1
Caelo	Iodoform	15276002	1
Caelo	Iodoform	12150907	4
Caelo	Iodoform	16012204	1
Caelo	Iodoform	12283201	3
Caelo	Iodoform	14230302	1
Caelo	Iodoform	12150910	4
Caelo	Iodoform	14077603	3
Caelo	Iodoform	10120202	1
Caelo	Iodoform	14077601	2
Caelo	Iodoform	3041407	1
Caelo	Iodoform	14077602	1
Caelo	Iodoform	14077606	1
Caelo	Iodoform	15276101	3
Caelo	Iodoform	15276109	1
Caelo	Iodoform	12283202	4
Caelo	Iodoform	15276111	1
Caelo	Iodoform	14230308	2
Caelo	Iodoform	12070402	1
Caelo	Iodoform	12070303	2
Caelo	Iodoform	14229507	3
Caelo	Iodoform	28011503	1
Caelo	Iodoform	14229506	1

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Supplier	Substance	Batch	Spectra
Caelo	Iodoform	14077607	1
Caelo	Iodoform	12283307	1
Caelo	Iodoform	12283304	2
Caelo	Iodoform	14230007	3
Caelo	Iodoform	21051305	1
Caelo	Iodoform	12150905	3
Caelo	Iodoform	12150903	3
Caelo	Iodoform	14229508	2
Caelo	Iodoform	14230001	2
Caelo	Iodoform	12150902	6
Caelo	Iodoform	14230006	2
Caelo	Iodoform	2013E-01726	1
Caelo	Iodoform	15276107	1
Caelo	Iodoform	12070605	1
Caelo	Iodoform	12070602	3
Caelo	Iodoform	12283201/311152	1
Caelo	Iodoform	12070601	6
Caelo	Iodoform	14077702	5
Caelo	Iodoform	15276105	1
Caelo	Iodoform	12070608	5
Caelo	Iodoform	12070606	1
Caelo	Iodoform	14230008	2
Caelo	Iodoform	12283206	2
Caelo	Iodoform	14230305	2
Caelo	Iodoform	14230306	5
Caelo	Iodoform	15276102	2
Caelo	Iodoform	14230002	3
Caelo	Isosorbide dinitrate ...	14D-09-B03-300234	1
Caelo	Isosorbide dinitrate ...	11/17-N05	2
Caelo	Isosorbide dinitrate ...	14D09-B03-294281	6
Caelo	Ivy leaf, cut	11041303	1
Caelo	Ivy leaf, cut	11041304	1
Caelo	Ivy leaf, cut	11101205	1
Caelo	Ivy leaf, cut	11229505	3
Caelo	Ivy leaf, cut	10011401	1
Caelo	Ivy leaf, cut	8061205	1
Caelo	Ivy leaf, cut	410E-0149	1
Caelo	Ivy leaf, cut	4011301	1
Caelo	Ivy leaf, cut	1021306	1
Caelo	Ivy leaf, cut	12225602	1
Caelo	Ivy leaf, cut	nachprüfung	2
Caelo	Ivy leaf, cut	27111301	1
Caelo	Ivy leaf, cut	25021305	1
Caelo	Ivy leaf, cut	23121305	1
Caelo	Ivy leaf, cut	23121303	1
Caelo	Ivy leaf, cut	12225603	3
Caelo	Ivy leaf, cut	12225605	4
Caelo	Ivy leaf, cut	15101203	1
Caelo	Ivy leaf, cut	15121205	1
Caelo	Ivy leaf, cut	20111211	1
Caelo	Jasmine flower	12143203	3
Caelo	Java tea, cut	13258801	2
Caelo	Java tea, cut	13258802	2
Caelo	Java tea, cut	23051203	1
Caelo	Java tea, cut	21061304	1
Caelo	Java tea, cut	12225704	5
Caelo	Java tea, cut	12225702	1
Caelo	Java tea, cut	11212905	2
Caelo	Java tea, cut	31081207	1
Caelo	Java tea, cut	31121203	1

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Supplier	Substance	Batch	Spectra
Caelo	Java tea, cut	28101305	1
Caelo	Java tea, cut	11212904	1
Caelo	Java tea, cut	11212901	2
Caelo	Java tea, cut	2221A110825	3
Caelo	Java tea, cut	1121905	1
Caelo	Java tea, cut	13258803	1
Caelo	Java tea, cut	13258804	3
Caelo	Java tea, cut	14121-01507	1
Caelo	Java tea, cut	20111207	1
Caelo	Juniper	12028604	1
Caelo	Juniper	12113701	1
Caelo	Juniper	2890a101201	1
Caelo	Juniper, pounded	13031302	1
Caelo	Juniper, pounded	13367302	1
Caelo	Kaolin, heavy	10176518	1
Caelo	Kaolin, heavy	11041623	2
Caelo	Kaolin, heavy	82043269	1
Caelo	Kaolin, heavy	11350107	5
Caelo	Kaolin, heavy	10176530	1
Caelo	Kaolin, heavy	11350106	2
Caelo	Kaolin, heavy	11350125	6
Caelo	Kaolin, heavy	13041803	2
Caelo	Kaolin, heavy	11350107	1
Caelo	Kaolin, heavy	63033516	1
Caelo	Kaolin, heavy	13041835	3
Caelo	Kaolin, heavy	13041834	1
Caelo	Kaolin, heavy	13041835	1
Caelo	Kaolin, heavy	11350124	4
Caelo	Kaolin, heavy	11350115	1
Caelo	Kaolin, heavy	11041610	1
Caelo	Ketoconazole	12300407	4
Caelo	Ketoconazole	12300415	1
Caelo	Ketoconazole	13179606	3
Caelo	Ketoconazole	13179610	4
Caelo	Ketoconazole	13399404	2
Caelo	Ketoconazole	13399404	5
Caelo	Ketoconazole	53317046	1
Caelo	Ketoconazole	11070022	2
Caelo	Ketoconazole	11070001	1
Caelo	Ketoconazole	53317046	1
Caelo	Ketoconazole	14350408	1
Caelo	Ketoconazole	13399408	4
Caelo	Ketoconazole	12171007	1
Caelo	Ketoconazole	13179601	1
Caelo	Ketoconazole	12300406	1
Caelo	Kidney vetch, coarsel...	13104301	2
Caelo	Knotgrass, cut	4301A100126	2
Caelo	Knotgrass, cut	12295704	7
Caelo	Knotgrass, cut	14079304	1
Caelo	Knotgrass, cut	12368904	1
Caelo	Knotgrass, cut	4312M-01674	1
Caelo	Knotgrass, cut	12368903	1
Caelo	Knotgrass, cut	8111202	1
Caelo	Knotgrass, cut	11369301	1
Caelo	Knotgrass, cut	12295702	3
Caelo	Knotgrass, cut	12368902	7
Caelo	Knotgrass, cut	7102427	1
Caelo	Lactose monohydrate	12139901	4
Caelo	Lactose monohydrate	12021518	12
Caelo	Lactose monohydrate	12336814	1

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Supplier	Substance	Batch	Spectra
Caelo	Lactose monohydrate	12139920	6
Caelo	Lactose monohydrate	12336815	16
Caelo	Lactose monohydrate	12336816	5
Caelo	Lactose monohydrate	12139909	1
Caelo	Lactose monohydrate	12139915	9
Caelo	Lactose monohydrate	12139914	7
Caelo	Lactose monohydrate	12139910	4
Caelo	Lactose monohydrate	12336801	7
Caelo	Lactose monohydrate	12336803	1
Caelo	Lactose monohydrate	12336804	1
Caelo	Lactose monohydrate	12139912	2
Caelo	Lactose monohydrate	13104911	3
Caelo	Lactose monohydrate	8021401	1
Caelo	Lactose monohydrate	6091301	1
Caelo	Lactose monohydrate	1071302	1
Caelo	Lactose monohydrate	30031503	1
Caelo	Lactose monohydrate	26071401	1
Caelo	Lactose monohydrate	23101404	1
Caelo	Lactose monohydrate	23061504	1
Caelo	Lactose monohydrate	23051501	1
Caelo	Lactose monohydrate	13104909	6
Caelo	Lactose monohydrate	12021508	3
Caelo	Lactose monohydrate	12021507	3
Caelo	Lactose monohydrate	12021502	2
Caelo	Lactose monohydrate	11219216	4
Caelo	Lactose monohydrate	11219208	3
Caelo	Lactose monohydrate	11079002	2
Caelo	Lactose monohydrate	12399107	1
Caelo	Lactose monohydrate	13104901	9
Caelo	Lactose monohydrate	11014714	1
Caelo	Lactose monohydrate	12336820	4
Caelo	Lactose monohydrate	31081301	1
Caelo	Lactose monohydrate	30101201	1
Caelo	Lactose monohydrate	2901312210	1
Caelo	Lactose monohydrate	3031501	1
Caelo	Lactose monohydrate	3091405	1
Caelo	Lactose monohydrate	3121406	1
Caelo	Lactose monohydrate	5061504	1
Caelo	Lactose monohydrate	3788916	1
Caelo	Lactose monohydrate	12139908	2
Caelo	Lactose monohydrate	120403	1
Caelo	Lactose monohydrate	11219217	1
Caelo	Lactose monohydrate	140612	3
Caelo	Lactose monohydrate	s-100513-1	1
Caelo	Lactose monohydrate	6859858	1
Caelo	Lactose monohydrate	4313Q2210	1
Caelo	Lactose monohydrate	7031402	1
Caelo	Lactose monohydrate	10195107	3
Caelo	Lactose monohydrate	13104908	3
Caelo	Lactose monohydrate	13104902	8
Caelo	Lactose monohydrate	13081302	1
Caelo	Lactose monohydrate	12041401	1
Caelo	Lactose monohydrate	1301C005	2
Caelo	Lactose monohydrate	12336821	1
Caelo	Lactose monohydrate	160913PJK01	1
Caelo	Lactose monohydrate	7111402	1
Caelo	Lactose monohydrate	8071501	1
Caelo	Lactose monohydrate	9051401	1
Caelo	Lactose monohydrate	25011303	1
Caelo	Lactose monohydrate	24011405	1

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Supplier	Substance	Batch	Spectra
Caelo	Lactose monohydrate	20021411	1
Caelo	Lactose monohydrate	17011302	1
Caelo	Lactose monohydrate	17011301	1
Caelo	Lactose monohydrate	13104910	2
Caelo	Lactose monohydrate	14333521	4
Caelo	Lactose monohydrate	14333520	7
Caelo	Lactose monohydrate	14333518	5
Caelo	Lactose monohydrate	14025603	7
Caelo	Lactose monohydrate	14333513	1
Caelo	Lactose monohydrate	143335114	1
Caelo	Lactose monohydrate	14333511	3
Caelo	Lactose monohydrate	14333510	1
Caelo	Lactose monohydrate	1433510	1
Caelo	Lactose monohydrate	13299112	1
Caelo	Lactose monohydrate	15236204	5
Caelo	Lactose monohydrate	15236202	1
Caelo	Lactose monohydrate	1402504	1
Caelo	Lactose monohydrate	15236201	6
Caelo	Lactose monohydrate	14025601	4
Caelo	Lactose monohydrate	15011701	1
Caelo	Lactose monohydrate	1501017-01	10
Caelo	Lactose monohydrate	1433520	1
Caelo	Lactose monohydrate	14333509	7
Caelo	Lactose monohydrate	13104909-3453311172	1
Caelo	Lactose monohydrate	13104912	1
Caelo	Lactose monohydrate	14140302	3
Caelo	Lactose monohydrate	14025620	6
Caelo	Lactose monohydrate	14025619	4
Caelo	Lactose monohydrate	14025615	1
Caelo	Lactose monohydrate	14025611	1
Caelo	Lactose monohydrate	14025608	1
Caelo	Lactose monohydrate	14025604	7
Caelo	Lactose monohydrate	13104909-3422310182	1
Caelo	Lactose monohydrate	14333508	1
Caelo	Lactose monohydrate	14333503	1
Caelo	Lactose monohydrate	14333502	1
Caelo	Lactose monohydrate	14333501	3
Caelo	Lactose monohydrate	14140312	8
Caelo	Lactose monohydrate	14140309	2
Caelo	Lactose monohydrate	14140308	5
Caelo	Lactose monohydrate	14140305	7
Caelo	Lactose monohydrate	14140304	4
Caelo	Lactose monohydrate	15236206	1
Caelo	Lactose monohydrate	1526201	1
Caelo	Lactose monohydrate	15236220	2
Caelo	Lactose monohydrate	13299106	2
Caelo	Lactose monohydrate	13299103	2
Caelo	Lactose monohydrate	13299102	16
Caelo	Lactose monohydrate	15236221	2
Caelo	Lactose monohydrate	15236215	3
Caelo	Lactose monohydrate		1
Caelo	Lactose monohydrate	16027701	1
Caelo	Lactose monohydrate	13299108	7
Caelo	Lactose monohydrate	15236208	3
Caelo	Lactose monohydrate	200415HJK02	1
Caelo	Lactose monohydrate	15236209	2
Caelo	Lactose monohydrate	13299101	11
Caelo	Lactose monohydrate	15236214	5
Caelo	Lactose monohydrate	16027708	2
Caelo	Lactose monohydrate	16027704	1

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Supplier	Substance	Batch	Spectra
Caelo	Lactose monohydrate	13299107	6
Caelo	Ladys bedstraw herb,...	12369001	3
Caelo	Ladys bedstraw herb,...	11265106	1
Caelo	Ladys bedstraw herb,...	11265105	1
Caelo	Ladys bedstraw herb,...	11265104	5
Caelo	Ladys bedstraw herb,...	11265103	5
Caelo	Ladys bedstraw herb,...	12369002	3
Caelo	Ladys bedstraw herb,...	10375703	2
Caelo	Ladys bedstraw herb,...	204211647	1
Caelo	Ladys bedstraw herb,...	24101201	1
Caelo	Ladys bedstraw herb,...	2401311647	1
Caelo	Ladys bedstraw herb,...	22041303	1
Caelo	Ladys bedstraw herb,...	15029906	1
Caelo	Ladys bedstraw herb,...	14019202	1
Caelo	Ladys bedstraw herb,...	12369007	4
Caelo	Ladys bedstraw herb,...	12369006	6
Caelo	Ladys bedstraw herb,...	11265102	11
Caelo	Ladys bedstraw herb,...	10375702	1
Caelo	Ladys bedstraw herb,...	7011301	1
Caelo	Ladys bedstraw herb,...	10375708	1
Caelo	Ladys bedstraw herb,...	11265101	1
Caelo	Large waybread herb, ...	10349603	2
Caelo	Large waybread herb, ...	9311208	1
Caelo	Large waybread herb, ...	123741004	1
Caelo	Large waybread herb, ...	14125907	1
Caelo	Large waybread herb, ...	13232404	1
Caelo	Large waybread herb, ...	12374101	4
Caelo	Large waybread herb, ...	13232401	2
Caelo	Large waybread herb, ...	12374106	1
Caelo	Large waybread herb, ...	10349610	2
Caelo	Large waybread herb, ...	10349614	1
Caelo	Large waybread herb, ...	10349605	2
Caelo	Laurel leaf	12299106	3
Caelo	Lavender flower	13185001	23
Caelo	Lavender flower	15061201	1
Caelo	Lavender flower	15061209	1
Caelo	Lavender flower	27091202	1
Caelo	Lavender flower	6091304	1
Caelo	Lavender flower	11327905	2
Caelo	Lavender flower	11054104	2
Caelo	Lavender flower	1318501	1
Caelo	Lavender flower	12031302	1
Caelo	Lavender flower	13185001-3389311070	1
Caelo	Lavender flower	13185001-3415310152	1
Caelo	Lavender flower	12088001	1
Caelo	Lavender flower	12088002	4
Caelo	Lavender flower	12088005	4
Caelo	Lavender flower	12088006	4
Caelo	Lavender flower	13159601	1
Caelo	Lavender flower	11305403	1
Caelo	Lavender flower	12088003	14
Caelo	Lavender flower	11327903	13
Caelo	Lavender flower	313A-01462	1
Caelo	Lavender flower	11054107	1
Caelo	Lavender flower	19071303	1
Caelo	Lavender flower	11054106	4
Caelo	Lavender flower	13185002	1
Caelo	Lavender flower	13185006	1
Caelo	Lavender flower	13185003	11
Caelo	Lavender flower	13336008	1

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Supplier	Substance	Batch	Spectra
Caelo	Lavender flower	13387204	1
Caelo	Lemon grass, cut	11301501	1
Caelo	Lemon grass, cut	13341301	1
Caelo	Lemon grass, cut	13149701	5
Caelo	Lemon grass, cut	13149703	1
Caelo	Lemon grass, cut	11301503	1
Caelo	Lemon grass, cut	11301509	4
Caelo	Lemon peel, cut	12217401	1
Caelo	Lemon peel, cut	12217404	1
Caelo	Lemon peel, cut	12217402	1
Caelo	Lemon verbena leaf, cut	12137505	1
Caelo	Lemon verbena leaf, cut	10018208	1
Caelo	Lemon verbena leaf, cut	12137507	3
Caelo	Lemon verbena leaf, cut	13037702	1
Caelo	Lidocaine	15212001	1
Caelo	Lidocaine	14299305	2
Caelo	Lidocaine	14299301	1
Caelo	Lidocaine	14299301	1
Caelo	Lidocaine	13352415	1
Caelo	Lidocaine	13352414	1
Caelo	Lidocaine	13352411	1
Caelo	Lidocaine	15212001	1
Caelo	Lidocaine	8629595	1
Caelo	Lidocaine	2811M-03584	1
Caelo	Lidocaine	16087712	2
Caelo	Lidocaine	16087704	2
Caelo	Lidocaine	16087704	1
Caelo	Lidocaine	15D23-B08	1
Caelo	Lidocaine	15332303	1
Caelo	Lidocaine	15212002	3
Caelo	Lidocaine	13352411	4
Caelo	Lidocaine	12163811	3
Caelo	Lidocaine	12163804	3
Caelo	Lidocaine	12163803	3
Caelo	Lidocaine	12163802	1
Caelo	Lidocaine	9205922	1
Caelo	Lidocaine	9205919	1
Caelo	Lidocaine	5111201	1
Caelo	Lidocaine	12163811	1
Caelo	Lidocaine	13352408	8
Caelo	Lidocaine	13352405	1
Caelo	Lidocaine	12294412	8
Caelo	Lidocaine	12294411	2
Caelo	Lidocaine	12294408	1
Caelo	Lidocaine	12294405	4
Caelo	Lidocaine	122294405	1
Caelo	Lidocaine	12163813	5
Caelo	Lidocaine	15332310	1
Caelo	Lidocaine	13352413	1
Caelo	Lidocaine hydrochloride	280501	1
Caelo	Lidocaine hydrochloride	26041401	1
Caelo	Lidocaine hydrochloride	13343002	7
Caelo	Lidocaine hydrochloride	24071401	1
Caelo	Lidocaine hydrochloride	1912M-01775	1
Caelo	Lidocaine hydrochloride	18041501	1
Caelo	Lidocaine hydrochloride	29081503	1
Caelo	Lidocaine hydrochloride	10320707	1
Caelo	Lidocaine hydrochloride	10320704	1
Caelo	Lidocaine hydrochloride	10320703	1
Caelo	Lidocaine hydrochloride	4111302	1

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Supplier	Substance	Batch	Spectra
Caelo	Lidocaine hydrochloride	2051301	1
Caelo	Lidocaine hydrochloride	5113E-01775	1
Caelo	Lidocaine hydrochloride	168020-0003	1
Caelo	Lidocaine hydrochloride	152951602714117	1
Caelo	Lidocaine hydrochloride	15215312	1
Caelo	Lidocaine hydrochloride	15215311	3
Caelo	Lidocaine hydrochloride	15215310	4
Caelo	Lidocaine hydrochloride	15215310	1
Caelo	Lidocaine hydrochloride	15215309	1
Caelo	Lidocaine hydrochloride	15299503	5
Caelo	Lidocaine hydrochloride	16101407	1
Caelo	Lidocaine hydrochloride	160113	1
Caelo	Lidocaine hydrochloride	15299516	1
Caelo	Lidocaine hydrochloride	15299514	3
Caelo	Lidocaine hydrochloride	15299509	1
Caelo	Lidocaine hydrochloride	15299506	2
Caelo	Lidocaine hydrochloride	10320717	1
Caelo	Lidocaine hydrochloride	12176109	2
Caelo	Lidocaine hydrochloride	13118802	2
Caelo	Lidocaine hydrochloride	13118806	1
Caelo	Lidocaine hydrochloride	23011403	1
Caelo	Lidocaine hydrochloride	25091202	1
Caelo	Lidocaine hydrochloride	5211E-01775	1
Caelo	Lidocaine hydrochloride	26071303	1
Caelo	Lidocaine hydrochloride	P155/14	1
Caelo	Lidocaine hydrochloride	1814U-01775	1
Caelo	Lidocaine hydrochloride	14110101	1
Caelo	Lidocaine hydrochloride	AKD14	1
Caelo	Lidocaine hydrochloride	72702128	1
Caelo	Lidocaine hydrochloride	12176102	10
Caelo	Lidocaine hydrochloride	11302905	1
Caelo	Lidocaine hydrochloride	11302904	1
Caelo	Lidocaine hydrochloride	11302902	2
Caelo	Lidocaine hydrochloride	113002905	1
Caelo	Lidocaine hydrochloride	11091203	1
Caelo	Lidocaine hydrochloride	10320719	1
Caelo	Lidocaine hydrochloride	11302906	3
Caelo	Lidocaine hydrochloride	12176101	8
Caelo	Lidocaine hydrochloride	12135509	4
Caelo	Lidocaine hydrochloride	12135508	6
Caelo	Lidocaine hydrochloride	12135504	3
Caelo	Lidocaine hydrochloride	12135503	6
Caelo	Lidocaine hydrochloride	12020302	1
Caelo	Lidocaine hydrochloride	1010024-01	3
Caelo	Lidocaine hydrochloride	13343004	5
Caelo	Lidocaine hydrochloride	13343012	14
Caelo	Lidocaine hydrochloride	12021503	1
Caelo	Lidocaine hydrochloride	13343004	1
Caelo	Lidocaine hydrochloride	13343015	3
Caelo	Lidocaine hydrochloride	12176103	9
Caelo	Lidocaine hydrochloride	14254001	3
Caelo	Lidocaine hydrochloride	15215301	1
Caelo	Lidocaine hydrochloride	15215304	4
Caelo	Lidocaine hydrochloride	14J20-B05-303133	3
Caelo	Lidocaine hydrochloride	13343019	4
Caelo	Lidocaine hydrochloride	13343003	5
Caelo	Lidocaine hydrochloride	13343014	5
Caelo	Lidocaine hydrochloride	13343017	1
Caelo	Lidocaine hydrochloride	15215301	2
Caelo	Lidocaine hydrochloride	13118803	8

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Supplier	Substance	Batch	Spectra
Caelo	Lidocaine hydrochloride	13343007	10
Caelo	Lidocaine hydrochloride	13343008	4
Caelo	Lidocaine hydrochloride	13343011	2
Caelo	Lidocaine hydrochloride	13343001	1
Caelo	Lidocaine hydrochloride	1515I-01775	1
Caelo	Lidocaine hydrochloride	1505023-03	4
Caelo	Lidocaine hydrochloride	15215308	3
Caelo	Lidocaine hydrochloride	1517-B01-315828	1
Caelo	Lidocaine hydrochloride	13118807	8
Caelo	Lidocaine hydrochloride	13343016	2
Caelo	Lidocaine hydrochloride	13118808	4
Caelo	Lidocaine hydrochloride	13118811	2
Caelo	Lidocaine hydrochloride	1521304	1
Caelo	Lidocaine hydrochloride	13118812	2
Caelo	Lime flower, cut	13337403-348012102	1
Caelo	Lime flower, cut	9206604	1
Caelo	Lime flower, cut	11086305	8
Caelo	Lime flower, cut	13101701	5
Caelo	Lime flower, cut	268709	4
Caelo	Lime flower, cut	10273606	1
Caelo	Lime flower, cut	25091206	1
Caelo	Lime flower, cut	13101702	9
Caelo	Lime flower, cut	1913E-01474	1
Caelo	Lime flower, cut	15111301	1
Caelo	Lime flower, cut	15068302	1
Caelo	Lime flower, cut	11086306	1
Caelo	Lime flower, cut	11086307	3
Caelo	Lime flower, cut	13337403	5
Caelo	Lime flower, cut	11086301	1
Caelo	Lime flower, cut	Int.Ch:210140	1
Caelo	Lime flower, cut	12170703	2
Caelo	Lime flower, cut	12170702-3355319071	1
Caelo	Lime flower, cut	3212M-01474	1
Caelo	Lime flower, cut	12170701	1
Caelo	Lime flower, cut	28031302	1
Caelo	Lime flower, cut	1210702	1
Caelo	Lime flower, cut	272958	7
Caelo	Lime flower, cut	13101708	1
Caelo	Lime leaf, cut	1611A121120	1
Caelo	Liquorice root, peeled	11351905	5
Caelo	Liquorice root, peeled	24131-02151	1
Caelo	Liquorice root, peeled	11351903	1
Caelo	Liquorice root, peeled	13194101	6
Caelo	Liquorice root, peeled	11351904	1
Caelo	Liquorice root, peeled	11351910	2
Caelo	Liquorice root, peeled	11351911	5
Caelo	Liquorice root, peeled	12227112	1
Caelo	Liquorice root, peeled	1135904	1
Caelo	Liquorice root, peeled	12227101	1
Caelo	Liquorice root, peeled	13104503	2
Caelo	Liquorice root, peeled	6381A-121126	1
Caelo	Liquorice root, peeled	277004	1
Caelo	Liquorice root, peeled	11351906	3
Caelo	Liquorice root, peeled	13104504	5
Caelo	Liquorice root, natur...	13037902	1
Caelo	Liquorice root, natur...	13037904	1
Caelo	Liquorice root, natur...	281844	2
Caelo	Liquorice root, natur...	12267104	3
Caelo	Liquorice root, natur...	12267103	1
Caelo	Liquorice root, natur...	10110912	1

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Supplier	Substance	Batch	Spectra
Caelo	Liquorice root, natur...		1
Caelo	Lovage root, cut	13385005	1
Caelo	Lovage root, cut	4312M-02150	1
Caelo	Lovage root, cut	10249313	1
Caelo	Lovage root, cut	107063	1
Caelo	Lovage root, cut	12189001	1
Caelo	Lovage root, cut	12169008	1
Caelo	Lovage root, cut	11181609	2
Caelo	Lovage root, cut	11181611	3
Caelo	Lovage root, cut	1181608	1
Caelo	Lovage root, cut	12169002	1
Caelo	L-tryptophan	131046	1
Caelo	Lungwort herb, cut	11134203	14
Caelo	Lungwort herb, cut	11134205	3
Caelo	Lungwort herb, cut	13029302	25
Caelo	Lungwort herb, cut	13029306	1
Caelo	Lungwort herb, cut	13355801	1
Caelo	Lungwort herb, cut	11021709	2
Caelo	Lungwort herb, cut	713M-01675	1
Caelo	Lungwort herb, cut	11021707	2
Caelo	Lungwort herb, cut	11134201	1
Caelo	Lungwort herb, cut	11134202	3
Caelo	Lungwort herb, cut	4331b111205	1
Caelo	Lungwort herb, cut	13029304	6
Caelo	Lycopodium herb, cut	11255010	1
Caelo	Lycopodium herb, cut	11255009	5
Caelo	Lycopodium herb, cut	11255012	2
Caelo	Lycopodium herb, cut	11255011	6
Caelo	Lycopodium herb, cut	11255008	13
Caelo	Lycopodium herb, cut	11255005	4
Caelo	Lycopodium herb, cut	11255003	2
Caelo	Lycopodium herb, cut	9378812	1
Caelo	Lycopodium herb, cut	11255018	1
Caelo	Lycopodium herb, cut	11255001	2
Caelo	Lycopodium herb, cut	11255016	3
Caelo	Lycopodium herb, cut	11255017	4
Caelo	Lycopodium herb, cut	13101501	1
Caelo	Lycopodium herb, cut	1310502	1
Caelo	Lycopodium herb, cut	11255014	7
Caelo	Macrogol 1500	13140901	1
Caelo	Macrogol 1500	14072412	1
Caelo	Macrogol 1500	13140902	2
Caelo	Macrogol 1500	12109409	2
Caelo	Macrogol 1500	11071309	1
Caelo	Macrogol 1500	10105901	1
Caelo	Macrogol 1500	10105905	1
Caelo	Macrogol 1500	13140906	2
Caelo	Macrogol 1500	11056504	1
Caelo	Macrogol 4000	14180520	1
Caelo	Macrogol 4000	14180513	1
Caelo	Macrogol 4000	14180522	1
Caelo	Macrogol 4000	14180512	1
Caelo	Macrogol 4000	14352606	3
Caelo	Macrogol 4000	16152003	1
Caelo	Macrogol 4000	14180511	4
Caelo	Macrogol 4000	1418521	1
Caelo	Macrogol 4000	14196013	1
Caelo	Macrogol 4000	16267311	1
Caelo	Macrogol 4000	14180508	1
Caelo	Macrogol 4000	11172319	1

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Supplier	Substance	Batch	Spectra
Caelo	Macrogol 4000	14180503	1
Caelo	Macrogol 4000	14061713	1
Caelo	Macrogol 4000	14061712	1
Caelo	Macrogol 4000	14061708	6
Caelo	Macrogol 4000	14061708	7
Caelo	Macrogol 4000	14180525	5
Caelo	Macrogol 4000	14061705	7
Caelo	Macrogol 4000	14061707	6
Caelo	Macrogol 4000	14180508	1
Caelo	Macrogol 4000	11172308	1
Caelo	Macrogol 4000	13356611	2
Caelo	Macrogol 4000	13356616	2
Caelo	Macrogol 4000	13356617	7
Caelo	Macrogol 4000	13356621	1
Caelo	Macrogol 4000	1401708	1
Caelo	Macrogol 4000	14352607	2
Caelo	Macrogol 4000	12149103	1
Caelo	Macrogol 4000	12074116	3
Caelo	Macrogol 4000	12074114	2
Caelo	Macrogol 4000	12074109	4
Caelo	Macrogol 4000	12074102	1
Caelo	Macrogol 4000	11I05-N11	1
Caelo	Macrogol 4000	1172404	1
Caelo	Macrogol 4000	11172303	1
Caelo	Macrogol 4000		1
Caelo	Macrogol 4000	4123585	1
Caelo	Macrogol 4000	12149108	1
Caelo	Macrogol 4000	13136010	2
Caelo	Macrogol 4000	13136009	3
Caelo	Macrogol 4000	13136001	4
Caelo	Macrogol 4000	12361518	7
Caelo	Macrogol 4000	12361513	3
Caelo	Macrogol 4000	12361506	10
Caelo	Macrogol 4000	12318027	1
Caelo	Macrogol 4000	12318019	2
Caelo	Macrogol 4000	12318011	2
Caelo	Macrogol 4000	12149115	2
Caelo	Macrogol 4000	12149113	2
Caelo	Macrogol 4000	23061505	1
Caelo	Macrogol 4000	15225001	1
Caelo	Macrogol 4000	15159516	2
Caelo	Macrogol 4000	15159515	3
Caelo	Macrogol 4000	15159514	2
Caelo	Macrogol 4000	IntCh217002	1
Caelo	Macrogol 4000	15159506	1
Caelo	Macrogol 4000	15159505	2
Caelo	Macrogol 4000	15159504	1
Caelo	Macrogol 4000	14352618	1
Caelo	Macrogol 4000	14352613	1
Caelo	Macrogol 4000	14352613	1
Caelo	Macrogol 4000	123Test	1
Caelo	Macrogol 4000	16152001	2
Caelo	Macrogol 4000	16023903	1
Caelo	Macrogol 4000	15406306	1
Caelo	Macrogol 4000	15406303	3
Caelo	Macrogol 4000	15406301	1
Caelo	Macrogol 4000	15376503	1
Caelo	Macrogol 4000	1535004	1
Caelo	Macrogol 4000	15335003	10
Caelo	Macrogol 4000	15335001	2

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Supplier	Substance	Batch	Spectra
Caelo	Macrogol 4000	13356602	7
Caelo	Macrogol 4000	15225013	1
Caelo	Macrogol 4000	15225003	3
Caelo	Macrogol 4000	3940608	1
Caelo	Macrogol 4000	13356601	2
Caelo	Macrogol 4000	13335120	1
Caelo	Macrogol 4000	13335107	1
Caelo	Macrogol 4000	13335106	1
Caelo	Macrogol 4000	1234	1
Caelo	Macrogol 4000	1316003	1
Caelo	Macrogol 4000	1180513	1
Caelo	Macrogol 4000	13335102	2
Caelo	Macrogol 4000	13081501	1
Caelo	Macrogol 4000	13136011	3
Caelo	Macrogol 4000	13136016	3
Caelo	Macrogol 4000	13356609	5
Caelo	Macrogol 4000	14196007	1
Caelo	Macrogol 4000	14180526	1
Caelo	Macrogol 4000	13356601	2
Caelo	Magnesium (hydrogen) ...	14265514	1
Caelo	Magnesium (hydrogen) ...	17061401	1
Caelo	Magnesium (hydrogen) ...	12368004	6
Caelo	Magnesium (hydrogen) ...	14265517	1
Caelo	Magnesium (hydrogen) ...	14265504	3
Caelo	Magnesium (hydrogen) ...	13389102	2
Caelo	Magnesium (hydrogen) ...	1014E-01829	1
Caelo	Magnesium (hydrogen) ...	11372902	1
Caelo	Magnesium (hydrogen) ...	13233907	4
Caelo	Magnesium (hydrogen) ...	13233910	3
Caelo	Magnesium (hydrogen) ...	13233913	7
Caelo	Magnesium (hydrogen) ...	13389111	4
Caelo	Magnesium (hydrogen) ...	14265503	10
Caelo	Magnesium (hydrogen) ...	1137291	1
Caelo	Magnesium (hydrogen) ...	12091303	1
Caelo	Magnesium (hydrogen) ...	14265514Gehe14.04.	1
Caelo	Magnesium (hydrogen) ...	12175802	8
Caelo	Magnesium (hydrogen) ...	315E-01829	1
Caelo	Magnesium (hydrogen) ...	11372907	1
Caelo	Magnesium (hydrogen) ...	2368011	1
Caelo	Magnesium (hydrogen) ...	14265520	1
Caelo	Magnesium (hydrogen) ...	15415001	1
Caelo	Magnesium (hydrogen) ...	12238002	7
Caelo	Magnesium (hydrogen) ...	15415002	1
Caelo	Magnesium (hydrogen) ...	12238012	3
Caelo	Magnesium (hydrogen) ...	12175801	1
Caelo	Magnesium (hydrogen) ...	133233907	1
Caelo	Magnesium (hydrogen) ...	12175804	2
Caelo	Magnesium (hydrogen) ...	516Q-01829	1
Caelo	Magnesium (hydrogen) ...	15296802	1
Caelo	Magnesium (hydrogen) ...	15296712	2
Caelo	Magnesium (hydrogen) ...	14265513	2
Caelo	Magnesium (hydrogen) ...	15296701	4
Caelo	Magnesium (hydrogen) ...	14265511	1
Caelo	Magnesium (hydrogen) ...	14265505	2
Caelo	Magnesium (hydrogen) ...	13389110	1
Caelo	Magnesium (hydrogen) ...	13389108	2
Caelo	Magnesium (hydrogen) ...	13389107	3
Caelo	Magnesium (hydrogen) ...	13389106	3
Caelo	Magnesium (hydrogen) ...	13233906	10
Caelo	Magnesium (hydrogen) ...	11372901	4

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Supplier	Substance	Batch	Spectra
Caelo	Magnesium (hydrogen) ...	12368002	5
Caelo	Magnesium (hydrogen) ...	15415005	2
Caelo	Magnesium (hydrogen) ...	12238004	5
Caelo	Magnesium (hydrogen) ...	12238003	1
Caelo	Magnesium (hydrogen) ...	12238001	3
Caelo	Magnesium (hydrogen) ...	12105421	1
Caelo	Magnesium (hydrogen) ...	11044103	2
Caelo	Magnesium (hydrogen) ...	11021401	1
Caelo	Magnesium (hydrogen) ...	15415010	3
Caelo	Magnesium (hydrogen) ...	12368005	3
Caelo	Magnesium (hydrogen) ...	13194601	5
Caelo	Magnesium (hydrogen) ...	12368011	8
Caelo	Magnesium (hydrogen) ...	13233904	5
Caelo	Magnesium (hydrogen) ...	13233911	4
Caelo	Magnesium (hydrogen) ...	13389103	9
Caelo	Magnesium (hydrogen) ...	27111306	1
Caelo	Magnesium (hydrogen) ...	80446188	1
Caelo	Magnesium (hydrogen) ...	14265516	1
Caelo	Magnesium (hydrogen) ...	15296709	4
Caelo	Magnesium (hydrogen) ...	15296801	4
Caelo	Magnesium (hydrogen) ...	12175807	3
Caelo	Magnesium (hydrogen) ...	913M-01829	1
Caelo	Magnesium (hydrogen) ...	6081301	1
Caelo	Magnesium (hydrogen) ...	26101203	1
Caelo	Magnesium (hydrogen) ...	133389111	1
Caelo	Magnesium (hydrogen) ...	7011504	1
Caelo	Magnesium (hydrogen) ...	11061403	1
Caelo	Magnesium (hydrogen) ...	15296702	2
Caelo	Magnesium (hydrogen) ...	11193115	1
Caelo	Magnesium (hydrogen) ...	1137199	1
Caelo	Magnesium (hydrogen) ...	11193104	1
Caelo	Magnesium (hydrogen) ...	12175810	3
Caelo	Magnesium (hydrogen) ...	90396169	1
Caelo	Magnesium (hydrogen) ...	411052-2-P	1
Caelo	Magnesium (hydrogen) ...	28131-01829	1
Caelo	Magnesium (hydrogen) ...	19061316	1
Caelo	Magnesium (hydrogen) ...	16061203	1
Caelo	Magnesium (hydrogen) ...	13233905	1
Caelo	Magnesium (hydrogen) ...	13194603	1
Caelo	Magnesium (hydrogen) ...	12368017	1
Caelo	Magnesium (hydrogen) ...	121033-01	1
Caelo	Magnesium (hydrogen) ...	12368003	9
Caelo	Magnesium chloride he...	12141814	1
Caelo	Magnesium chloride he...	12141817	3
Caelo	Magnesium chloride he...	12354604	3
Caelo	Magnesium chloride he...	12354605	5
Caelo	Magnesium chloride he...	12354609	7
Caelo	Magnesium chloride he...	12354610	2
Caelo	Magnesium chloride he...	13194701	1
Caelo	Magnesium chloride he...	1304C004	2
Caelo	Magnesium chloride he...	12354618	2
Caelo	Magnesium chloride he...	12354615	6
Caelo	Magnesium chloride he...	12354613	6
Caelo	Magnesium chloride he...	12354612	6
Caelo	Magnesium chloride he...	12141811	2
Caelo	Magnesium chloride he...	1.02.14	1
Caelo	Magnesium chloride he...	1021401	1
Caelo	Magnesium chloride he...	9L15-N01	1
Caelo	Magnesium chloride he...	1108024-01	2
Caelo	Magnesium chloride he...	11345606	1

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Supplier	Substance	Batch	Spectra
Caelo	Magnesium chloride he...	11345609	1
Caelo	Magnesium chloride he...	12141808	1
Caelo	Magnesium chloride he...	12141806	2
Caelo	Magnesium chloride he...	12141803	1
Caelo	Magnesium chloride he...	11345624	2
Caelo	Magnesium chloride he...	11345623	2
Caelo	Magnesium chloride he...	11345615	1
Caelo	Magnesium chloride he...	13194702	2
Caelo	Magnesium chloride he...	13194713	1
Caelo	Magnesium chloride he...	13194721	1
Caelo	Magnesium chloride he...	1512I-01828	1
Caelo	Magnesium chloride he...	16094004	1
Caelo	Magnesium chloride he...	13194713-3490312103	1
Caelo	Magnesium chloride he...	4013E-01828	1
Caelo	Magnesium chloride he...	5210I-01828	1
Caelo	Magnesium chloride he...	13194707	2
Caelo	Magnesium chloride he...	13194706	2
Caelo	Magnesium chloride he...	12354606	5
Caelo	Magnesium chloride he...	12354608	1
Caelo	Magnesium stearate	13095515	1
Caelo	Magnesium stearate	13095536	1
Caelo	Magnesium stearate	12040307	1
Caelo	Magnesium stearate	15155001	2
Caelo	Magnesium sulfate hep...	12119901/2	1
Caelo	Magnesium sulfate hep...	13183709	2
Caelo	Magnesium sulfate hep...	12c27-n06	1
Caelo	Magnesium sulfate hep...	13030104	1
Caelo	Magnesium sulfate hep...	12336916	3
Caelo	Magnesium sulfate hep...	12138516	6
Caelo	Magnesium sulfate hep...	12336942	1
Caelo	Magnesium sulfate hep...	12336926	3
Caelo	Magnesium sulfate hep...	11369526	17
Caelo	Magnesium sulfate hep...	12336915	4
Caelo	Magnesium sulfate hep...	90744129	1
Caelo	Magnesium sulfate hep...	12138521	6
Caelo	Magnesium sulfate hep...	12336914	7
Caelo	Magnesium sulfate hep...	11194001	1
Caelo	Magnesium sulfate hep...	10371111	1
Caelo	Magnesium sulfate hep...	11369252	1
Caelo	Magnesium sulfate hep...	11369525	7
Caelo	Magnesium sulfate hep...	13030107	1
Caelo	Magnesium sulfate hep...	113695625	1
Caelo	Magnesium sulfate hep...	11231025	2
Caelo	Magnesium sulfate hep...	11231006	2
Caelo	Magnesium sulfate hep...	11231005	1
Caelo	Magnesium sulfate hep...	10104201	1
Caelo	Magnesium sulfate hep...	12119906/2	1
Caelo	Magnesium sulfate hep...	12138515	2
Caelo	Magnesium sulfate hep...	13183702	2
Caelo	Magnesium sulfate hep...	1218521	2
Caelo	Magnesium sulfate hep...	1213E-01835	1
Caelo	Magnesium sulfate hep...	3612E-01835	1
Caelo	Magnesium sulfate hep...	11369529	1
Caelo	Magnesium sulfate hep...	11369509	1
Caelo	Magnesium sulfate hep...	12138522	2
Caelo	Magnesium sulfate, dr...	12157207	1
Caelo	Magnesium sulfate, dr...	12157208	1
Caelo	Magnesium sulfate, dr...	M-220413-2	1
Caelo	Magnesium sulfate, dr...	12157202	1
Caelo	Magnesium sulfate, dr...	10213213	2

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Supplier	Substance	Batch	Spectra
Caelo	Magnesium sulfate, dr...	11265902	1
Caelo	Magnesium sulfate, dr...	11265903	1
Caelo	Magnesium sulfate, dr...	11265908	2
Caelo	Male speedwell wort, ...	11265502	4
Caelo	Male speedwell wort, ...	11061305	1
Caelo	Male speedwell wort, ...	3091305	1
Caelo	Male speedwell wort, ...	3051306	1
Caelo	Male speedwell wort, ...	11265503	12
Caelo	Male speedwell wort, ...	14111303	1
Caelo	Male speedwell wort, ...	20111303	1
Caelo	Male speedwell wort, ...	25091203	1
Caelo	Male speedwell wort, ...	2513A-01692	1
Caelo	Male speedwell wort, ...	28061303	1
Caelo	Male speedwell wort, ...	4661c111011	1
Caelo	Male speedwell wort, ...	13166701	3
Caelo	Male speedwell wort, ...	11265504	1
Caelo	Male speedwell wort, ...	12162503	3
Caelo	Male speedwell wort, ...	12162504	13
Caelo	Male speedwell wort, ...	12162505	1
Caelo	Male speedwell wort, ...	1216504	1
Caelo	Mallow flower, cut	12187501	5
Caelo	Mallow flower, cut	11040106	10
Caelo	Mallow flower, cut	23051205	1
Caelo	Mallow flower, cut	11040105	1
Caelo	Mallow flower, cut	13040402	1
Caelo	Mallow flower, cut	12187502	1
Caelo	Mallow flower, cut	12187402	12
Caelo	Mallow flower, cut	20061201	1
Caelo	Mallow flower, cut	10357903	1
Caelo	Mallow flower, cut	10357902	3
Caelo	Mallow flower, cut	11040101	2
Caelo	Mallow flower, cut	9311104	1
Caelo	Mallow flower, cut	10357904	1
Caelo	Mallow flower, cut	12187405	4
Caelo	Mallow flower, cut	8121202	1
Caelo	Mallow flower, cut	13267302	1
Caelo	Mallow flower, cut	Nachprüfung	1
Caelo	Mallow flower, cut	13267301-3409310112	1
Caelo	Mallow flower, cut	13267301	7
Caelo	Mallow flower, cut	12187505	2
Caelo	Mallow flower, cut	12187501-3414310132	1
Caelo	Mallow flower, cut	12187404	6
Caelo	Mallow flower, cut	12187401	1
Caelo	Mallow flower, cut	3912E-01464	1
Caelo	Mallow flower, cut	13267303	2
Caelo	Mallow flower, cut	13351301	3
Caelo	Mallow flower, cut	13351303	2
Caelo	Mallow flower, cut	13351307	1
Caelo	Mallow flower, cut	27021301	1
Caelo	Mallow flower, cut	18111303	1
Caelo	Mallow flower, cut	13351309	1
Caelo	Mallow leaf, cut	12310008	1
Caelo	Mallow leaf, cut	12310006	1
Caelo	Mallow leaf, cut	12310004	5
Caelo	Mallow leaf, cut	12310001	3
Caelo	Mallow leaf, cut	10290517	1
Caelo	Mallow leaf, cut	10290515	1
Caelo	Mallow leaf, cut	12153403	1
Caelo	Mallow leaf, cut	12310009	2
Caelo	Mallow leaf, cut	3912A-01501	1

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Supplier	Substance	Batch	Spectra
Caelo	Mallow leaf, cut	28061203	1
Caelo	Mallow leaf, cut	20111302	1
Caelo	Mallow leaf, cut	1412M-01501	1
Caelo	Mallow leaf, cut	14073902	1
Caelo	Mallow leaf, cut	13174217	1
Caelo	Mallow leaf, cut	13174213	1
Caelo	Mallow leaf, cut	10290502	2
Caelo	Mallow leaf, cut	10290510	1
Caelo	Manganese sulfate mon...	91547399	1
Caelo	Manganese sulfate mon...	123825	1
Caelo	Mannitole	12305725	19
Caelo	Mannitole	16212103	1
Caelo	Mannitole	16061401	1
Caelo	Mannitole	15D28-B02-309192	1
Caelo	Mannitole	16212104	1
Caelo	Mannitole	24101306	1
Caelo	Mannitole	2713M-01844	2
Caelo	Mannitole	30031502	1
Caelo	Mannitole	1230578	1
Caelo	Mannitole	12305723	6
Caelo	Mannitole	15B05-B09-304305	1
Caelo	Mannitole	14323121	6
Caelo	Mannitole	14323125	1
Caelo	Mannitole	14323126	3
Caelo	Mannitole	14323127	1
Caelo	Mannitole	1519713	1
Caelo	Mannitole	9204719	2
Caelo	Mannitole	15197301	1
Caelo	Mannitole	15197302	2
Caelo	Mannitole	16011402	1
Caelo	Mannitole	15197303	1
Caelo	Mannitole	15525	1
Caelo	Mannitole	30121417	1
Caelo	Mannitole	13K20-B01-292064	2
Caelo	Mannitole	13189227	11
Caelo	Mannitole	14051207	1
Caelo	Mannitole	14051208	2
Caelo	Mannitole	14051217	2
Caelo	Mannitole	14051224	2
Caelo	Mannitole	14051230	2
Caelo	Mannitole	1405127	1
Caelo	Mannitole	14323101	3
Caelo	Mannitole	1612101	1
Caelo	Mannitole	P154/14	1
Caelo	Mannitole	14051209	6
Caelo	Mannitole	4414E-01844	1
Caelo	Mannitole	48558	1
Caelo	Mannitole	12305710	13
Caelo	Mannitole	12305725-3444311112	1
Caelo	Mannitole	12305709	20
Caelo	Mannitole	13095013	1
Caelo	Mannitole	13189203-3566412081	1
Caelo	Mannitole	15197313	5
Caelo	Mannitole	14323138	18
Caelo	Mannitole	14051231	1
Caelo	Mannitole	13189222	3
Caelo	Mannitole	14323114	3
Caelo	Mannitole	11219121	1
Caelo	Mannitole	11219114	3
Caelo	Mannitole	14051204	8

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Supplier	Substance	Batch	Spectra
Caelo	Mannitole	14051205	7
Caelo	Mannitole	14051215	9
Caelo	Mannitole	1423120	1
Caelo	Mannitole	14323129	1
Caelo	Mannitole	14323120	1
Caelo	Mannitole	14323115	3
Caelo	Mannitole	14323105	3
Caelo	Mannitole	14323103	3
Caelo	Mannitole	11003611	1
Caelo	Mannitole	13189215	17
Caelo	Mannitole	12105421	14
Caelo	Mannitole	12105433	11
Caelo	Mannitole	12305740	2
Caelo	Mannitole	12305736	4
Caelo	Mannitole	12305724	3
Caelo	Mannitole	12305726	1
Caelo	Mannitole	1305043-02	15
Caelo	Mannitole	11219122	2
Caelo	Mannitole	11308807	2
Caelo	Mannitole	13189206	1
Caelo	Mannitole	12105420	7
Caelo	Mannitole	13189203	10
Caelo	Mannitole	13189201	9
Caelo	Mannitole	15184101	1
Caelo	Mannitole	10011501	1
Caelo	Mannitole	12105438	4
Caelo	Mannitole	13189207	8
Caelo	Mannitole	13189208	6
Caelo	Mannitole	13189226	2
Caelo	Mannitole	13189228	1
Caelo	Mannitole	13K20-B01-287704	1
Caelo	Mannitole	1400434-01	1
Caelo	Mannitole	14051216	2
Caelo	Mannitole	14051229	4
Caelo	Mannitole	12305734	2
Caelo	Mannitole	15K25-B04	1
Caelo	Mannitole	7071404	1
Caelo	Mannitole	10100026	3
Caelo	Mannitole	5031304	1
Caelo	Mannitole	10293140	1
Caelo	Mannitole	2274635	1
Caelo	Mannitole	2101401	1
Caelo	Mannitole	9081303	1
Caelo	Mannitole	20151012-2	1
Caelo	Marian thistle fruit	12189104	4
Caelo	Marian thistle fruit	Ch.B. : 11126702	1
Caelo	Marian thistle fruit	12189106	4
Caelo	Marian thistle fruit	12189105	9
Caelo	Marian thistle fruit	1126705	1
Caelo	Marian thistle fruit	11126705	3
Caelo	Marian thistle fruit	11126703	3
Caelo	Marian thistle fruit	11126701	2
Caelo	Marian thistle fruit	11126701,	1
Caelo	Marian thistle fruit	10270615	4
Caelo	Marian thistle fruit	10270614	5
Caelo	Marian thistle fruit	10270613	1
Caelo	Marian thistle fruit	10270612	2
Caelo	Marian thistle fruit	10270610	3
Caelo	Marian thistle fruit	912a-02233	1
Caelo	Marian thistle fruit	1126704	1

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Supplier	Substance	Batch	Spectra
Caelo	Marian thistle fruit	12198107	1
Caelo	Marian thistle fruit	1289112	2
Caelo	Marian thistle fruit	13326202	3
Caelo	Marian thistle fruit	15409204	2
Caelo	Marian thistle fruit	18111301	1
Caelo	Marian thistle fruit	27111203	1
Caelo	Marian thistle fruit	46111-02233	1
Caelo	Marian thistle fruit	12189116	2
Caelo	Marian thistle fruit	12189107	3
Caelo	Marian thistle fruit	13342003	1
Caelo	Marian thistle fruit	12189108	4
Caelo	Marian thistle fruit	12189109	4
Caelo	Marian thistle fruit	12189111	4
Caelo	Marian thistle fruit	12189112	14
Caelo	Marian thistle fruit	12189113	8
Caelo	Marian thistle fruit	12189115	3
Caelo	Marian thistle fruit	1126703	1
Caelo	Marian thistle herb, ...	10315907	1
Caelo	Marian thistle herb, ...	10365602	3
Caelo	Marian thistle herb, ...	1035911	1
Caelo	Marian thistle herb, ...	13130704	4
Caelo	Marian thistle herb, ...	10315906	1
Caelo	Marian thistle herb, ...	13130702	4
Caelo	Marian thistle herb, ...	13130701	3
Caelo	Marian thistle herb, ...	10365605	1
Caelo	Marian thistle herb, ...	10365603	1
Caelo	Marian thistle herb, ...	10315910	1
Caelo	Marian thistle herb, ...	10365604	5
Caelo	Marian thistle herb, ...	13130701-3492411030	1
Caelo	Marian thistle herb, ...	13130703	2
Caelo	Marian thistle herb, ...		1
Caelo	Marian thistle herb, ...	intch:318080	1
Caelo	Marian thistle herb, ...	30101306	1
Caelo	Marian thistle herb, ...	18041303	1
Caelo	Marian thistle herb, ...	10315909	2
Caelo	Marian thistle herb, ...	10315911	3
Caelo	Marian thistle herb, ...	10365601	9
Caelo	Marian thistle herb, ...	62607127	1
Caelo	Marjoram herb, rubbed	6051302	1
Caelo	Marjoram herb, rubbed	11212707	2
Caelo	Marjoram herb, rubbed	11212704	1
Caelo	Marjoram herb, rubbed	11212713	1
Caelo	Marjoram herb, rubbed	11212711	3
Caelo	Marjoram herb, rubbed	11212708	2
Caelo	Marjoram herb, rubbed	12168907	3
Caelo	Marjoram herb, rubbed	12168908	9
Caelo	Marjoram herb, rubbed	12168912	1
Caelo	Marjoram herb, rubbed	13113303	3
Caelo	Marjoram herb, rubbed	9292602	1
Caelo	Marjoram herb, rubbed	27011402	1
Caelo	Marjoram herb, rubbed	13113304	3
Caelo	Marjoram herb, rubbed	12168910	10
Caelo	Marjoram herb, rubbed	12168909	5
Caelo	Marjoram herb, rubbed	12168906	3
Caelo	Marjoram herb, rubbed	12168905	2
Caelo	Marjoram herb, rubbed	12168904	1
Caelo	Marjoram herb, rubbed	12168903	10
Caelo	Marjoram herb, rubbed	12168902	1
Caelo	Marjoram herb, rubbed	12168901	4
Caelo	Marjoram herb, rubbed	11212710	1

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Supplier	Substance	Batch	Spectra
Caelo	Marrubium vulgare her...	313091	1
Caelo	Marrubium vulgare her...	13289109	1
Caelo	Marrubium vulgare her...	12231605	4
Caelo	Marrubium vulgare her...	12231604	5
Caelo	Marrubium vulgare her...	12231603	1
Caelo	Marrubium vulgare her...	12231601	3
Caelo	Marrubium vulgare her...	1153803	1
Caelo	Marrubium vulgare her...	11253803	1
Caelo	Marrubium vulgare her...	11253802	1
Caelo	Marshmallow leaf, cut	12328207	2
Caelo	Marshmallow leaf, cut	11101002	1
Caelo	Marshmallow leaf, cut	12328202	3
Caelo	Marshmallow leaf, cut	12328206	4
Caelo	Marshmallow root, pee...	12147311	1
Caelo	Marshmallow root, pee...	11101809	1
Caelo	Marshmallow root, pee...	11101804	1
Caelo	Marshmallow root, pee...	11101906	1
Caelo	Masterwort root, cut	12101804	1
Caelo	Masterwort root, cut	12101806	2
Caelo	Masterwort root, cut	13132002	1
Caelo	Masterwort root, cut	1210801	1
Caelo	Masterwort root, cut	12101808	1
Caelo	Masterwort root, cut	12101807	2
Caelo	Masterwort root, cut	13341201	1
Caelo	Maté leaf, cut	13061202	1
Caelo	Maté leaf, cut	12133801	2
Caelo	Maté leaf, cut	11091703	1
Caelo	Maté leaf, cut	11091710	1
Caelo	Maté leaf, cut	12133804	5
Caelo	Maté leaf, cut	2141A111213	18
Caelo	Maté leaf, cut	13118001	1
Caelo	Maté leaf, cut	12133807	8
Caelo	Maté leaf, cut	12133803	3
Caelo	Matricaria flower	12111904	2
Caelo	Matricaria flower	12294802	18
Caelo	Matricaria flower	12244803	3
Caelo	Matricaria flower	11214810	1
Caelo	Matricaria flower	12244802	5
Caelo	Matricaria flower	121111903	1
Caelo	Matricaria flower	12361707	2
Caelo	Matricaria flower	12361706	1
Caelo	Matricaria flower	12244602	1
Caelo	Matricaria flower	13210901-3546411013	1
Caelo	Matricaria flower	12059606	2
Caelo	Matricaria flower	13288410	1
Caelo	Matricaria flower	11218501	1
Caelo	Matricaria flower	11169607	1
Caelo	Matricaria flower	11214802	3
Caelo	Matricaria flower	12294802	1
Caelo	Matricaria flower	12337608	2
Caelo	Matricaria flower	12244803	1
Caelo	Matricaria flower	12244804	2
Caelo	Matricaria flower	12337607	3
Caelo	Matricaria flower	12337601	2
Caelo	Matricaria flower	13210901	2
Caelo	Matricaria flower	12299703	1
Caelo	Matricaria flower	12294804	1
Caelo	Matricaria flower	12294804	3
Caelo	Matricaria flower	12361707	5
Caelo	Matricaria flower	22081202	1

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Supplier	Substance	Batch	Spectra
Caelo	Matricaria flower	22011303	1
Caelo	Matricaria flower	19111207	1
Caelo	Matricaria flower	19041306	1
Caelo	Matricaria flower	17101204	1
Caelo	Matricaria flower	16111202	1
Caelo	Matricaria flower	15258504	1
Caelo	Matricaria flower	22111201	1
Caelo	Matricaria flower	31051314	1
Caelo	Matricaria flower	AKD5	1
Caelo	Matricaria flower	IntCh:313011	1
Caelo	Matricaria flower	26081303	1
Caelo	Matricaria flower	22111202	1
Caelo	Matricaria flower	13111201	1
Caelo	Matricaria flower	13031306	1
Caelo	Matricaria flower	13011406	1
Caelo	Matricaria flower	15090003	2
Caelo	Matricaria flower	5081201	1
Caelo	Matricaria flower	12361701	4
Caelo	Matricaria flower	10081201	1
Caelo	Matricaria flower	11101203	1
Caelo	Matricaria flower	12299701	1
Caelo	Matricaria flower	1229804	1
Caelo	Matricaria flower	11214805	1
Caelo	Matricaria flower	12294809	1
Caelo	Matricaria flower	12361703	5
Caelo	Matricaria flower	13061201	1
Caelo	Matricaria flower	13210905	1
Caelo	Matricaria flower	13288403	1
Caelo	Matricaria flower	13288405	2
Caelo	Matricaria flower	14276804	1
Caelo	Matricaria flower	13210906	1
Caelo	Matricaria flower	13210905	3
Caelo	Matricaria flower	12361706	1
Caelo	Matricaria flower	12361704	1
Caelo	Matricaria flower	27091203	1
Caelo	Meadowsweet flower, r...	1225702	1
Caelo	Meadowsweet flower, r...	10349306	1
Caelo	Meadowsweet flower, r...	10051301	1
Caelo	Meadowsweet flower, r...	9326213	3
Caelo	Meadowsweet flower, r...	12275704-3372319032	1
Caelo	Meadowsweet herb, cut	12188803	10
Caelo	Meadowsweet herb, cut	12188806	3
Caelo	Meadowsweet herb, cut	12188807	1
Caelo	Meadowsweet herb, cut	19071203	1
Caelo	Meadowsweet herb, cut	62487517	1
Caelo	Meadowsweet herb, cut	4912E-01685	1
Caelo	Meadowsweet herb, cut	12188801	1
Caelo	Meadowsweet herb, cut	12188805	11
Caelo	Meadowsweet herb, cut	10381601	1
Caelo	Meadowsweet herb, cut	12188702	1
Caelo	Meadowsweet herb, cut	12188703	2
Caelo	Meadowsweet herb, cut	12188704	1
Caelo	Melatonin	14110308	3
Caelo	Melatonin	12321411	2
Caelo	Melatonin	15254307	1
Caelo	Melatonin	15254328	2
Caelo	Melatonin	13167301	11
Caelo	Melatonin	1296630	1
Caelo	Melatonin	12321422	2
Caelo	Melatonin	12321422	5

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Supplier	Substance	Batch	Spectra
Caelo	Melatonin	12321421	2
Caelo	Melatonin	15254306	5
Caelo	Melatonin	13167314	1
Caelo	Melatonin	13167312	1
Caelo	Melatonin	13167312	2
Caelo	Melatonin	13167310	1
Caelo	Melatonin	13167302	1
Caelo	Melatonin	13167301	1
Caelo	Melatonin	15254305	1
Caelo	Melatonin	12321416	6
Caelo	Melatonin	12321404	3
Caelo	Melatonin	11267122	2
Caelo	Melatonin	120009	2
Caelo	Melatonin	15254320	1
Caelo	Melatonin	15254319	2
Caelo	Melatonin	15254313	1
Caelo	Melatonin	15254308	2
Caelo	Melatonin	12321406	7
Caelo	Melatonin	14110313	1
Caelo	Melatonin	2313M03554	1
Caelo	Melatonin	20021505	1
Caelo	Melatonin	20021312	1
Caelo	Melatonin	16121303	1
Caelo	Melatonin	15254324	2
Caelo	Melatonin	12321415	4
Caelo	Melatonin	11267121	5
Caelo	Melatonin	1524309	1
Caelo	Melatonin	11267114	3
Caelo	Melatonin	14110314	1
Caelo	Melatonin	14110302	1
Caelo	Melatonin	11267108	1
Caelo	Melatonin	10296623	1
Caelo	Melatonin	14110316	1
Caelo	Melatonin	150601	1
Caelo	Melatonin	15093001	2
Caelo	Melatonin	10071303	1
Caelo	Melatonin	13167314	3
Caelo	Melatonin	15093002	1
Caelo	Melatonin	11267119	3
Caelo	Melatonin	1514E-03554	1
Caelo	Melatonin	15093010	1
Caelo	Melatonin	15093008	1
Caelo	Melatonin	11267128	1
Caelo	Melatonin	12321403	1
Caelo	Melatonin	11267120	5
Caelo	Melatonin	14110303	1
Caelo	Melatonin	14110305	1
Caelo	Melatonin	15254338	1
Caelo	Melatonin	15254331	1
Caelo	Melilot herb, cut	8061204	1
Caelo	Melilot herb, cut	nachprüfung	1
Caelo	Melilot herb, cut	25101205	1
Caelo	Melilot herb, cut	19071201	1
Caelo	Melilot herb, cut	11307607	2
Caelo	Melilot herb, cut	612M-01664	1
Caelo	Melilot herb, cut	10335403	1
Caelo	Melilot herb, cut	10335410	1
Caelo	Melilot herb, cut	107063	1
Caelo	Melilot herb, cut	11307602	2
Caelo	Melilot herb, cut	25091301	1

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Supplier	Substance	Batch	Spectra
Caelo	Melilot herb, cut	24081202	1
Caelo	Melilot herb, cut	22111303	1
Caelo	Melilot herb, cut	12289207	1
Caelo	Melilot herb, cut	12289203	4
Caelo	Melilot herb, cut	12289003	1
Caelo	Melilot herb, cut	12231703	3
Caelo	Melilot herb, cut	12289201	1
Caelo	Melilot herb, cut	12289205	3
Caelo	Melilot herb, cut	11307601	4
Caelo	Melilot herb, cut	11307606	8
Caelo	Melilot herb, cut	12289202	10
Caelo	Melilot herb, cut	12289206	1
Caelo	Melissa leaf, cut	10310912	1
Caelo	Melissa leaf, cut	12032303	3
Caelo	Melissa leaf, cut	12032316	2
Caelo	Melissa leaf, cut	12032315	1
Caelo	Melissa leaf, cut	10310914	1
Caelo	Melissa leaf, cut	10310919	1
Caelo	Melissa leaf, cut	24011407	1
Caelo	Melissa leaf, cut	10310918	1
Caelo	Melissa leaf, cut	2161a121009	1
Caelo	Melissa leaf, cut	25021301	1
Caelo	Melissa leaf, cut	25061303	1
Caelo	Melissa leaf, cut		3
Caelo	Melissa leaf, cut	CH.111111	1
Caelo	Melissa leaf, cut	2161a120718	1
Caelo	Melissa leaf, cut	12032311	1
Caelo	Melissa leaf, cut	10310921	1
Caelo	Melissa leaf, cut	12032308	1
Caelo	Melissa leaf, cut	12032307	2
Caelo	Melissa leaf, cut	13030805	1
Caelo	Melissa leaf, cut	13214705	1
Caelo	Melissa leaf, cut	14111319	1
Caelo	Melissa leaf, cut	1009	1
Caelo	Melissa leaf, cut	13214707	1
Caelo	Melissa leaf, cut	12032314	7
Caelo	Melissa leaf, cut	12032310	2
Caelo	Melissa leaf, cut	12032302	1
Caelo	Melissa leaf, cut	13030804	1
Caelo	Melissa leaf, cut	19041303	1
Caelo	Melissa leaf, cut	13030801	1
Caelo	Melissa leaf, cut	12032319	4
Caelo	Melissa leaf, cut	12032309	2
Caelo	Melissa leaf, cut	13030803	2
Caelo	Menthol	12020408	1
Caelo	Menthol	15076215	1
Caelo	Menthol	13377409	7
Caelo	Menthol	1202041	1
Caelo	Menthol	13377408	4
Caelo	Menthol	14183020	1
Caelo	Menthol	14183017	2
Caelo	Menthol	14183014	4
Caelo	Menthol	11202907	1
Caelo	Menthol	14183008	3
Caelo	Menthol	13377413	1
Caelo	Menthol	11202912	2
Caelo	Menthol	13377412	4
Caelo	Menthol	15076115	1
Caelo	Menthol	15076106	6
Caelo	Menthol	14183012	2

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Supplier	Substance	Batch	Spectra
Caelo	Menthol	20200712-2	1
Caelo	Menthol	515M-01855	1
Caelo	Menthol	25041402	1
Caelo	Menthol	25051301	1
Caelo	Menthol	1320260	2
Caelo	Menthol	12020411	10
Caelo	Menthol	12246205	11
Caelo	Menthol	12246211	5
Caelo	Menthol	130501001	1
Caelo	Menthol	13103802	1
Caelo	Menthol	13159104	3
Caelo	Menthol	7111201	1
Caelo	Menthol	1704211855	1
Caelo	Menthol	19051401	1
Caelo	Menthol	16095603	1
Caelo	Menthol	11202901	2
Caelo	Menthol	1111020-01	5
Caelo	Menthol	15363810	1
Caelo	Menthol	9221710	2
Caelo	Menthol	930716	1
Caelo	Menthol	1/AD1	1
Caelo	Menthol	10157615	1
Caelo	Menthol	11091405	1
Caelo	Menthol	15363805	2
Caelo	Menthol	13159105	19
Caelo	Menthol	3912A-01855	1
Caelo	Menthol	4810A-01855	1
Caelo	Menthol	5315I-01855	1
Caelo	Menthol	72173258	1
Caelo	Menthol	IntCh311052	1
Caelo	Menthol	814A-01855	1
Caelo	Menthol	12246203	1
Caelo	Menthol	13159110	1
Caelo	Menthol	687711	1
Caelo	Menthol	12020410	1
Caelo	Menthol	15363804	2
Caelo	Menthol	29121103	1
Caelo	Menthol	13377402	3
Caelo	Menthol	13377404	9
Caelo	Menthol	13377407	3
Caelo	Menthol	14183004	8
Caelo	Menthol	14183006	1
Caelo	Menthol	15076101	6
Caelo	Menthol	750137	3
Caelo	Menthol	13103901	27
Caelo	Menthol	314Q01855	1
Caelo	Menthol	15363803	1
Caelo	Menthol	15076113	1
Caelo	Menthol	15076112	7
Caelo	Mepivacaine hydrochlo...	13G05-N02	2
Caelo	Methadone hydrochloride	11227507	1
Caelo	Methadone hydrochloride	12171906	2
Caelo	Methadone hydrochloride	12171902	1
Caelo	Methadone hydrochloride	15244702	1
Caelo	Methadone hydrochloride	10076407	1
Caelo	Methadone hydrochloride	15244709	2
Caelo	Methadone hydrochloride	15244706	3
Caelo	Methadone hydrochloride	12171907	1
Caelo	Methadone hydrochloride	17011406	1
Caelo	Methadone hydrochloride	12344819	1

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Supplier	Substance	Batch	Spectra
Caelo	Methadone hydrochloride	12344812	2
Caelo	Methadone hydrochloride	12344810	1
Caelo	Methadone hydrochloride	12344802	1
Caelo	Methadone hydrochloride	12171918	1
Caelo	Methadone hydrochloride	12171914	1
Caelo	Methadone hydrochloride	15215501	1
Caelo	Methadone hydrochloride	13266504	2
Caelo	Methadone hydrochloride	13266501	1
Caelo	Methadone hydrochloride	12344818	2
Caelo	Methadone hydrochloride	12344816	3
Caelo	Methadone hydrochloride	12344814	2
Caelo	Methadone hydrochloride	12344807	1
Caelo	Methadone hydrochloride	13266505	4
Caelo	Methadone hydrochloride	13266512	2
Caelo	Methadone hydrochloride	13266515	1
Caelo	Methadone hydrochloride	13266518	3
Caelo	Methadone hydrochloride	1327H051	1
Caelo	Methadone hydrochloride	14C24-B01-292860	1
Caelo	Methoxsalen	11376433	1
Caelo	Methoxsalen	11376420	1
Caelo	Methoxsalen	1503009-01	13
Caelo	Methoxsalen	1409003-02	3
Caelo	Methoxsalen	13c13-n06	1
Caelo	Methoxsalen	11376413	1
Caelo	Methoxsalen	16/079/M	1
Caelo	Methoxsalen	15244209	1
Caelo	Methoxsalen	15244204	3
Caelo	Methoxsalen	1409003-01	8
Caelo	Methyl cellulose	13130104	4
Caelo	Methyl cellulose	14197502	2
Caelo	Methyl cellulose	13021401	1
Caelo	Methyl cellulose	13130121	1
Caelo	Methyl cellulose	13130102	1
Caelo	Methyl cellulose	13130121	1
Caelo	Methyl cellulose	20021401	1
Caelo	Methyl cellulose	12044931	2
Caelo	Methyl cellulose	15179602	1
Caelo	Methyl cellulose	16060210	1
Caelo	Methyl cellulose	15179602	7
Caelo	Methyl cellulose	14197514	4
Caelo	Methyl cellulose	14197514	2
Caelo	Methyl cellulose	14197513	1
Caelo	Methyl cellulose	13130115	6
Caelo	Methyl cellulose	12044922	4
Caelo	Methyl cellulose	12044927	6
Caelo	Methyl cellulose	13130109	4
Caelo	Methyl cellulose	12L05-N03	1
Caelo	Methyl cellulose	5081404	1
Caelo	Methyl cellulose	15179605	7
Caelo	Methyl cellulose	12044918	2
Caelo	Methyl cellulose	10247604	1
Caelo	Methyl cellulose	11127303	1
Caelo	Methyl cellulose	11127314	1
Caelo	Methyl cellulose	12044903	3
Caelo	Methyl cellulose	12044907	2
Caelo	Methyl cellulose	12044917	1
Caelo	Methyl-4-hydroxybenzo...	290114PML01	1
Caelo	Methyl-4-hydroxybenzo...	111003301	1
Caelo	Methyl-4-hydroxybenzo...	11090030	4
Caelo	Methyl-4-hydroxybenzo...	11090003	1

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Supplier	Substance	Batch	Spectra
Caelo	Methyl-4-hydroxybenzo...	110900029	1
Caelo	Methyl-4-hydroxybenzo...	1108211930	1
Caelo	Methyl-4-hydroxybenzo...	10113609	1
Caelo	Methyl-4-hydroxybenzo...	10039706	1
Caelo	Methyl-4-hydroxybenzo...	9011303	1
Caelo	Methyl-4-hydroxybenzo...	8121-01930	1
Caelo	Methyl-4-hydroxybenzo...	11345115	12
Caelo	Methyl-4-hydroxybenzo...	1225164	1
Caelo	Methyl-4-hydroxybenzo...	13268809	8
Caelo	Methyl-4-hydroxybenzo...	12251619	2
Caelo	Methyl-4-hydroxybenzo...	14120210	1
Caelo	Methyl-4-hydroxybenzo...	13081308	1
Caelo	Methyl-4-hydroxybenzo...	1251624	1
Caelo	Methyl-4-hydroxybenzo...	12251611	1
Caelo	Methyl-4-hydroxybenzo...	12251605	5
Caelo	Methyl-4-hydroxybenzo...	12042202	1
Caelo	Methyl-4-hydroxybenzo...	11345120	5
Caelo	Methyl-4-hydroxybenzo...	713Q-01930	1
Caelo	Methyl-4-hydroxybenzo...	13268813	4
Caelo	Methyl-4-hydroxybenzo...	13268809	1
Caelo	Methyl-4-hydroxybenzo...	13268804	1
Caelo	Methyl-4-hydroxybenzo...	13268804	5
Caelo	Methyl-4-hydroxybenzo...	13268803	1
Caelo	Methyl-4-hydroxybenzo...	13268802	2
Caelo	Methyl-4-hydroxybenzo...	12251624	10
Caelo	Methyl-4-hydroxybenzo...	12081502	1
Caelo	Methyl-4-hydroxybenzo...	11090031	6
Caelo	Methyl-4-hydroxybenzo...	6091402	1
Caelo	Methyl-4-hydroxybenzo...	13268813	2
Caelo	Methyl-4-hydroxybenzo...	413051/1	1
Caelo	Methyl-4-hydroxybenzo...	15298102	2
Caelo	Methyl-4-hydroxybenzo...	15298102	1
Caelo	Methyl-4-hydroxybenzo...	15222203	1
Caelo	Methyl-4-hydroxybenzo...	15063806	1
Caelo	Methyl-4-hydroxybenzo...	15063806	5
Caelo	Methyl-4-hydroxybenzo...	15063803	1
Caelo	Methyl-4-hydroxybenzo...	14120208	1
Caelo	Methyl-4-hydroxybenzo...	13268821	1
Caelo	Methyl-4-hydroxybenzo...	13268815	1
Caelo	Methylrosanilinium ch...	13H28-N03	18
Caelo	Methylrosanilinium ch...	9238109	1
Caelo	Methylrosanilinium ch...	9238107	2
Caelo	Methylrosanilinium ch...	9238106	1
Caelo	Methylrosanilinium ch...	8088701	1
Caelo	Methylrosanilinium ch...	12H28-No6	1
Caelo	Methylrosanilinium ch...	12H28-N06	2
Caelo	Methylrosanilinium ch...	12/17-N05	1
Caelo	Methylrosanilinium ch...	13184801	1
Caelo	Metoclopramide hydroc...	3414U-018969	1
Caelo	Metoclopramide hydroc...	15227001	8
Caelo	Metronidazole	1212030-21	1
Caelo	Metronidazole	12339521	1
Caelo	Metronidazole	13041503	1
Caelo	Metronidazole	13095002	10
Caelo	Metronidazole	13095003	12
Caelo	Metronidazole	13095004	10
Caelo	Metronidazole	13095005	9
Caelo	Metronidazole	15253027	3
Caelo	Metronidazole	18071401	1
Caelo	Metronidazole	15253028	1

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Supplier	Substance	Batch	Spectra
Caelo	Metronidazole	12091403	1
Caelo	Metronidazole	15A20-B07-303297	1
Caelo	Metronidazole	16089209	2
Caelo	Metronidazole	15253033	1
Caelo	Metronidazole	16089212	1
Caelo	Metronidazole	15253029	1
Caelo	Metronidazole	16089213	1
Caelo	Metronidazole	16089216	1
Caelo	Metronidazole	113214021	1
Caelo	Metronidazole	16089218	1
Caelo	Metronidazole	11F15-N07	2
Caelo	Metronidazole	12081507	1
Caelo	Metronidazole	15253026	5
Caelo	Metronidazole	13214009	4
Caelo	Metronidazole	15215103	1
Caelo	Metronidazole	15215104	3
Caelo	Metronidazole	15215105	2
Caelo	Metronidazole	13214003	6
Caelo	Metronidazole	15215106	2
Caelo	Metronidazole	15215107	1
Caelo	Metronidazole	15215108	6
Caelo	Metronidazole	1523013	1
Caelo	Metronidazole	1523026	1
Caelo	Metronidazole	15253001	4
Caelo	Metronidazole	13214010	5
Caelo	Metronidazole	13214019	6
Caelo	Metronidazole	13214021	1
Caelo	Metronidazole	13214024	3
Caelo	Metronidazole	13214018	4
Caelo	Metronidazole	13214016	1
Caelo	Metronidazole	13214015	6
Caelo	Metronidazole	13214011	1
Caelo	Metronidazole	13214012	3
Caelo	Metronidazole	13214013	2
Caelo	Metronidazole	1321409	1
Caelo	Metronidazole	13214029	7
Caelo	Metronidazole	13214014	4
Caelo	Metronidazole	132140022	1
Caelo	Metronidazole	15253011	5
Caelo	Metronidazole	15253013	5
Caelo	Metronidazole	13095011	2
Caelo	Metronidazole	13095007	6
Caelo	Metronidazole	13095006	7
Caelo	Metronidazole	15253015	5
Caelo	Metronidazole	15253024	3
Caelo	Metronidazole	15253021	1
Caelo	Metronidazole	15253020	4
Caelo	Metronidazole	15253019	1
Caelo	Metronidazole	15253017	5
Caelo	Metronidazole	15253016	6
Caelo	Metronidazole	13095013	12
Caelo	Metronidazole	15253002	2
Caelo	Metronidazole	15253003	6
Caelo	Metronidazole	15253004	4
Caelo	Metronidazole	15253005	1
Caelo	Metronidazole	13214002	14
Caelo	Metronidazole	13214001	13
Caelo	Metronidazole	13095017	6
Caelo	Metronidazole	13095018	6
Caelo	Metronidazole	15253007	6

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Supplier	Substance	Batch	Spectra
Caelo	Metronidazole	15253006	3
Caelo	Metronidazole	13095019	7
Caelo	Metronidazole	13095020	6
Caelo	Metronidazole	23011504	1
Caelo	Metronidazole	12339504	10
Caelo	Metronidazole	12339507	9
Caelo	Metronidazole	12339508	6
Caelo	Metronidazole	12339509	5
Caelo	Metronidazole	12339510	15
Caelo	Metronidazole	12339511	15
Caelo	Metronidazole	12339519	11
Caelo	Metronidazole	12339520	6
Caelo	Metronidazole	12339503	5
Caelo	Metronidazole	12110415	7
Caelo	Metronidazole	12110421	10
Caelo	Metronidazole	12110422	20
Caelo	Metronidazole	12110423	2
Caelo	Metronidazole	1211413	1
Caelo	Metronidazole	121145	1
Caelo	Metronidazole	12339	1
Caelo	Metronidazole	12339501	7
Caelo	Metronidazole	12339502	27
Caelo	Metronidazole	1239503	1
Caelo	Metronidazole	2813E1870	1
Caelo	Metronidazole	30131-01870	1
Caelo	Metronidazole	3112M-01870	1
Caelo	Metronidazole	39/AKD16	1
Caelo	Metronidazole	MTZ/2050401	1
Caelo	Metronidazole	10368310	1
Caelo	Metronidazole	11319810	2
Caelo	Metronidazole	12339527	1
Caelo	Metronidazole	28061204	1
Caelo	Metronidazole	1239504	1
Caelo	Metronidazole	13095001	11
Caelo	Metronidazole	13B06-N023	1
Caelo	Metronidazole	14111304	1
Caelo	Metronidazole	15121202	1
Caelo	Metronidazole	18051201	1
Caelo	Metronidazole	201007126	1
Caelo	Metronidazole	2013U-01870	2
Caelo	Metronidazole	20140612-12	1
Caelo	Metronidazole	12110414	3
Caelo	Metronidazole	607211870	1
Caelo	Metronidazole	614U1870	1
Caelo	Metronidazole	9175609	1
Caelo	Metronidazole	10112907	1
Caelo	Metronidazole	10368311	1
Caelo	Metronidazole	10368313	1
Caelo	Metronidazole	10368319	1
Caelo	Metronidazole	10368320	1
Caelo	Metronidazole	11319806	1
Caelo	Metronidazole	2071304	1
Caelo	Metronidazole	39/AKD4	1
Caelo	Metronidazole	9715621	1
Caelo	Metronidazole	ch.b.15253027	1
Caelo	Metronidazole	P145/14	1
Caelo	Metronidazole	7071405	1
Caelo	Metronidazole	7031401	1
Caelo	Metronidazole	102311870	1
Caelo	Metronidazole	13095012	9

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Supplier	Substance	Batch	Spectra
Caelo	Metronidazole	1210411	2
Caelo	Metronidazole	11319807	1
Caelo	Metronidazole	1201156	1
Caelo	Metronidazole	12110105	1
Caelo	Metronidazole	12110121	1
Caelo	Metronidazole	12110403	1
Caelo	Metronidazole	12110405	10
Caelo	Metronidazole	121104085	1
Caelo	Metronidazole	12110411	8
Caelo	Metronidazole	12110412	9
Caelo	Metronidazole	12110413	7
Caelo	Metronidazole	11h11-n03	1
Caelo	Metronidazole	11319809	1
Caelo	Metronidazole	11319812	1
Caelo	Metronidazole	11319816	3
Caelo	Metronidazole	11319819	1
Caelo	Metronidazole	11319823	6
Caelo	Metronidazole	11319824	4
Caelo	Metronidazole	11319825	7
Caelo	Miconazole nitrate	28051306	1
Caelo	Miconazole nitrate	AKD9	1
Caelo	Miconazole nitrate	15/08-B07-315481	1
Caelo	Miconazole nitrate		1
Caelo	Miconazole nitrate	411092-2-P	1
Caelo	Miconazole nitrate	P143/14	1
Caelo	Miconazole nitrate	1307025-02	1
Caelo	Miconazole nitrate	13185603	16
Caelo	Miconazole nitrate	15I08-B07-312317	6
Caelo	Miconazole nitrate	15137915	4
Caelo	Miconazole nitrate	15137911	1
Caelo	Miconazole nitrate	15137909	1
Caelo	Miconazole nitrate	15137908	1
Caelo	Miconazole nitrate	15137907	2
Caelo	Miconazole nitrate	15137906	1
Caelo	Miconazole nitrate	12374307	20
Caelo	Miconazole nitrate	15137902	12
Caelo	Miconazole nitrate	15I08-B07-315481	3
Caelo	Miconazole nitrate	1/AD1	1
Caelo	Miconazole nitrate	9177904	1
Caelo	Miconazole nitrate	4061304	1
Caelo	Miconazole nitrate	8/AKD4	1
Caelo	Miconazole nitrate	16144703	2
Caelo	Miconazole nitrate	16144702	4
Caelo	Miconazole nitrate	16144701	3
Caelo	Miconazole nitrate	15108-B07-318686	1
Caelo	Miconazole nitrate	15108-B07-314838	1
Caelo	Miconazole nitrate	15137903	9
Caelo	Miconazole nitrate	14149302	12
Caelo	Miconazole nitrate	14149303	5
Caelo	Miconazole nitrate	14149305	1
Caelo	Miconazole nitrate	14149309	4
Caelo	Miconazole nitrate	14149310	8
Caelo	Miconazole nitrate	14149317	4
Caelo	Miconazole nitrate	14149318	13
Caelo	Miconazole nitrate	1419301	1
Caelo	Miconazole nitrate	1419310	1
Caelo	Miconazole nitrate	13352811	6
Caelo	Miconazole nitrate	15137913	1
Caelo	Miconazole nitrate	16144704	1
Caelo	Miconazole nitrate	12243803	12

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Supplier	Substance	Batch	Spectra
Caelo	Miconazole nitrate	11104109	2
Caelo	Miconazole nitrate	13185609	6
Caelo	Miconazole nitrate	13185612	5
Caelo	Miconazole nitrate	13342801	1
Caelo	Miconazole nitrate	13352801	20
Caelo	Miconazole nitrate	13352805	1
Caelo	Miconazole nitrate	13352806	9
Caelo	Miconazole nitrate	11324905	6
Caelo	Miconazole nitrate	13185602	7
Caelo	Miconazole nitrate	13185601	7
Caelo	Miconazole nitrate	12k02n06	1
Caelo	Miconazole nitrate	11324909	2
Caelo	Miconazole nitrate	11324912	2
Caelo	Miconazole nitrate	12243802	5
Caelo	Miconazole nitrate	12374308	6
Caelo	Miconazole nitrate	11324902	2
Caelo	Miconazole nitrate	11104108	1
Caelo	Miconazole nitrate	11104113	2
Caelo	Miconazole nitrate	11104103	2
Caelo	Miconazole nitrate	11243803	1
Caelo	Miconazole nitrate	11324901	3
Caelo	Midazolam hydrochloride	12094512	1
Caelo	Midazolam hydrochloride	14339002	1
Caelo	Midazolam hydrochloride	2061508	1
Caelo	Midazolam hydrochloride	15224607	1
Caelo	Midazolam hydrochloride	15224605	1
Caelo	Midazolam hydrochloride	14339008	2
Caelo	Midazolam hydrochloride	11184705	1
Caelo	Minoxidil	13179504	2
Caelo	Minoxidil	12273704	5
Caelo	Minoxidil	12273710	1
Caelo	Minoxidil	Ch.B14093701	1
Caelo	Minoxidil	13/23-N07	1
Caelo	Minoxidil	13039501	9
Caelo	Minoxidil	13039503	4
Caelo	Minoxidil	13179501	8
Caelo	Minoxidil	13179503	6
Caelo	Minoxidil	1309501	1
Caelo	Minoxidil	13373106	2
Caelo	Minoxidil	2905047-01	1
Caelo	Minoxidil	240912010	1
Caelo	Minoxidil	240813001	1
Caelo	Minoxidil	22031402	1
Caelo	Minoxidil	20151112-5	1
Caelo	Minoxidil	17011602	1
Caelo	Minoxidil	160201302	1
Caelo	Minoxidil	2913A-02844	1
Caelo	Minoxidil	ch.b.15436204	1
Caelo	Minoxidil	ch.b.15436202	1
Caelo	Minoxidil	ch.b.15217502	1
Caelo	Minoxidil	11K11-n09	1
Caelo	Minoxidil	13179501-3467312121	1
Caelo	Minoxidil	31051305	1
Caelo	Minoxidil	3013M-02844	2
Caelo	Minoxidil	1602013-01	15
Caelo	Minoxidil	14234505	4
Caelo	Minoxidil	14234502	1
Caelo	Minoxidil	1411006-01	29
Caelo	Minoxidil	14093707	1
Caelo	Minoxidil	14093706	2

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Supplier	Substance	Batch	Spectra
Caelo	Minoxidil	14093703	4
Caelo	Minoxidil	13K04B05290380	1
Caelo	Minoxidil	14234509	3
Caelo	Minoxidil	15K17-B06-321926	1
Caelo	Minoxidil	15E19-B06-308183	1
Caelo	Minoxidil	15436202	2
Caelo	Minoxidil	15230811	1
Caelo	Minoxidil	15230804	1
Caelo	Minoxidil	15230802	1
Caelo	Minoxidil	15230802	2
Caelo	Minoxidil	1203035	2
Caelo	Minoxidil	11150207	3
Caelo	Minoxidil	12273703	2
Caelo	Minoxidil	11150209	1
Caelo	Minoxidil	11302003	3
Caelo	Minoxidil	11e17-n07	1
Caelo	Minoxidil	12023902	2
Caelo	Minoxidil	12023907	6
Caelo	Minoxidil	120303503	4
Caelo	Minoxidil	12023908	2
Caelo	Minoxidil	5081502	1
Caelo	Mistletoe, cut	23111204	1
Caelo	Mistletoe, cut	11266714	4
Caelo	Mistletoe, cut	14292514	1
Caelo	Mistletoe, cut	14292506	2
Caelo	Mistletoe, cut	10273407	2
Caelo	Mistletoe, cut	6061306	1
Caelo	Mistletoe, cut	11266704	15
Caelo	Mistletoe, cut	27121305	1
Caelo	Mistletoe, cut	17061304	1
Caelo	Mistletoe, cut	18031303	1
Caelo	Mistletoe, cut	12011301	1
Caelo	Mistletoe, cut	20121303	1
Caelo	Mistletoe, cut	11294005	9
Caelo	Mistletoe, cut	11294004	5
Caelo	Mistletoe, cut	11294003	3
Caelo	Mistletoe, cut	26071302	1
Caelo	Mistletoe, cut	10081205	1
Caelo	Mistletoe, cut	11266708	6
Caelo	Mistletoe, cut	11266710	6
Caelo	Mistletoe, cut	14034209	1
Caelo	Mistletoe, cut	1266711	1
Caelo	Mistletoe, cut	11266712	6
Caelo	Mistletoe, cut	4313E-01695	1
Caelo	Mistletoe, cut	3813E-01695	1
Caelo	Mistletoe, cut	29101302	1
Caelo	Mistletoe, cut	29081302	1
Caelo	Mistletoe, cut	29071302	1
Caelo	Mistletoe, cut	29061201	1
Caelo	Mistletoe, cut	11266712-3450311162	1
Caelo	Mistletoe, cut	24011401	1
Caelo	Mistletoe, cut	11266702	4
Caelo	Mistletoe, cut	11294002	2
Caelo	Mistletoe, cut	11021303	1
Caelo	Mistletoe, cut	10273420	9
Caelo	Mistletoe, cut	10273418	1
Caelo	Mistletoe, cut	10273412	3
Caelo	Mistletoe, cut	28101304	1
Caelo	Mistletoe, cut	11266709	8
Caelo	Mistletoe, cut	11266705	5

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Supplier	Substance	Batch	Spectra
Caelo	Mistletoe, cut	11266703	5
Caelo	Molecular distilled g...	11160012	1
Caelo	Mometasone furoate, m...	16028607	1
Caelo	Mometasone furoate, m...	16028606	2
Caelo	Mometasone furoate, m...	16028609	2
Caelo	Mometasone furoate, m...	NU0698M	1
Caelo	Mometasone furoate, m...	11H10-N01	4
Caelo	Mometasone furoate, m...	12351202	4
Caelo	Mometasone furoate, m...	12351205	2
Caelo	Mometasone furoate, m...	14C07-B05-291268	13
Caelo	Mometasone furoate, m...	12351208	1
Caelo	Mometasone furoate, m...	12351215	3
Caelo	Mometasone furoate, m...	13304604	1
Caelo	Mometasone furoate, m...	12035607	1
Caelo	Mometasone furoate, m...	N01352M	1
Caelo	Mometasone furoate, m...	2/AKD2	1
Caelo	Mometasone furoate, m...	701834-0002	1
Caelo	Mometasone furoate, m...	13304609	1
Caelo	Mometasone furoate, m...	12035601	3
Caelo	Mometasone furoate, m...	13304606	2
Caelo	Mometasone furoate, m...	1510036-001	1
Caelo	Mometasone furoate, m...	15110301	3
Caelo	Mometasone furoate, m...	15110305	1
Caelo	Mometasone furoate, m...	15189801	1
Caelo	Mometasone furoate, m...	12E02-N11	5
Caelo	Mometasone furoate, m...	14281103	1
Caelo	Mometasone furoate, m...	14281102	2
Caelo	Mometasone furoate, m...	13304612	1
Caelo	Mometasone furoate, m...		2
Caelo	Mometasone furoate, m...	14281101	2
Caelo	Mometasone furoate, m...	14H06-B07298481	1
Caelo	Mometasone furoate, m...	1235210	1
Caelo	Mometasone furoate, m...	13304605	5
Caelo	Mometasone furoate, m...	12351210	1
Caelo	Mometasone furoate, m...	16028602	3
Caelo	Mometasone furoate, m...	12035605	1
Caelo	Mometasone furoate, m...	15279004	2
Caelo	Mometasone furoate, m...	1602809	1
Caelo	Mometasone furoate, m...	16028601	1
Caelo	Mometasone furoate, m...	12339604	1
Caelo	Mometasone furoate, m...	15189804	2
Caelo	Mometasone furoate, m...	15189806	1
Caelo	Mometasone furoate, m...	15189807	3
Caelo	Mometasone furoate, m...	15189809	1
Caelo	Mometasone furoate, m...	12351203	1
Caelo	Mometasone furoate, m...	1304011-01	1
Caelo	Morphine hydrochloride	14238604	1
Caelo	Morphine hydrochloride	15439405	1
Caelo	Morphine hydrochloride	15199711	4
Caelo	Morphine hydrochloride	15199705	1
Caelo	Morphine hydrochloride	15199705Nr.3	1
Caelo	Morphine hydrochloride	1543904	1
Caelo	Morphine hydrochloride	15199705Nr.2	1
Caelo	Morphine hydrochloride	14055084	1
Caelo	Morphine hydrochloride	13125206	1
Caelo	Morphine hydrochloride	13081310	1
Caelo	Morphine hydrochloride	12318101	1
Caelo	Morphine hydrochloride	12104409	1
Caelo	Morphine hydrochloride	12104403	1
Caelo	Morphine hydrochloride	15439409	1

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Supplier	Substance	Batch	Spectra
Caelo	Motherwort herb, cut	11293004	3
Caelo	Motherwort herb, cut	2712E-01658	1
Caelo	Motherwort herb, cut	nachprüfung	1
Caelo	Motherwort herb, cut	12376408	1
Caelo	Motherwort herb, cut	12376407	1
Caelo	Motherwort herb, cut	12376403	1
Caelo	Motherwort herb, cut	12376402	1
Caelo	Motherwort herb, cut	12231503	2
Caelo	Motherwort herb, cut	5061203	1
Caelo	Motherwort herb, cut	10244610	1
Caelo	Motherwort herb, cut	11293003	1
Caelo	Mullein flower, cut	11233401	6
Caelo	Mullein flower, cut	11020711	1
Caelo	Mullein flower, cut	11333402	1
Caelo	Mullein flower, cut	11366403	2
Caelo	Mullein flower, cut	16081201	1
Caelo	Mullein flower, cut	11020713	5
Caelo	Mullein flower, cut	11020708	1
Caelo	Mullein flower, cut	613M-01475	1
Caelo	Mullein flower, cut	11020902	1
Caelo	Mullein flower, cut	11020802	1
Caelo	Mullein flower, cut	10156901	1
Caelo	Mullein flower, cut	13229702	1
Caelo	Mullein flower, cut	12192905	6
Caelo	Mullein flower, cut	18031301	1
Caelo	Mullein flower, cut	12192904	1
Caelo	Mullein flower, cut	11233402	1
Caelo	Mullein flower, cut	12192901	4
Caelo	Mullein flower, cut	12170903	3
Caelo	Mullein flower, cut	13229701	2
Caelo	Mullein flower, cut	12317104	1
Caelo	Mullein flower, cut	12192907	3
Caelo	Mullein flower, cut	12192902	1
Caelo	Mullein flower, cut	12170906	1
Caelo	Mullein flower, cut	12170901	1
Caelo	Mullein flower, cut	12192903	5
Caelo	Mupirocin calcium	83200301013	1
Caelo	Naphazoline hydrochlo...	1307020-02	1
Caelo	Naphazoline hydrochlo...	12176203	1
Caelo	Naphazoline hydrochlo...	11081112	3
Caelo	Naphazoline hydrochlo...	11081107	1
Caelo	Naphazoline hydrochlo...	9285103	4
Caelo	Naphazoline hydrochlo...	15071404	1
Caelo	Naphazoline hydrochlo...	11081107	1
Caelo	Naphazoline hydrochlo...	1216203	1
Caelo	Naphazoline hydrochlo...	12375211	1
Caelo	Naphazoline hydrochlo...	2275310	1
Caelo	Naphazoline hydrochlo...	1206037	1
Caelo	Naphazoline hydrochlo...	12375203	1
Caelo	Neomycin sulfate	9051402	1
Caelo	Neomycin sulfate	12276415	1
Caelo	Neomycin sulfate	563313062905	1
Caelo	Neomycin sulfate	9105316	1
Caelo	Neomycin sulfate	12175401	5
Caelo	Neomycin sulfate	12276405	3
Caelo	Neomycin sulfate	24111203	1
Caelo	Neomycin sulfate	5/AKD35	1
Caelo	Neomycin sulfate	9105308	1
Caelo	Neomycin sulfate	13062923	2
Caelo	Neomycin sulfate	5/AKD36	1

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Supplier	Substance	Batch	Spectra
Caelo	Neomycin sulfate	12276410	2
Caelo	Neomycin sulfate	13062908	1
Caelo	Neomycin sulfate	13062922	1
Caelo	Neomycin sulfate	13062923	1
Caelo	Neomycin sulfate	13D10N05	1
Caelo	Neomycin sulfate	16122612	1
Caelo	Neomycin sulfate	16122601	1
Caelo	Neomycin sulfate	10157505	7
Caelo	Neomycin sulfate	15298902	2
Caelo	Neostigmine bromide	12172304	1
Caelo	Neostigmine bromide	14256802	1
Caelo	Neostigmine bromide	131772303B	1
Caelo	Neostigmine bromide	131772303A	1
Caelo	Neostigmine bromide	13177206	4
Caelo	Neostigmine bromide	13177203	2
Caelo	Nettle leaf, cut	10291409	1
Caelo	Nettle leaf, cut	3021401	1
Caelo	Nettle leaf, cut	2051302	1
Caelo	Nettle leaf, cut	10291414	3
Caelo	Nettle leaf, cut	10291413	2
Caelo	Nettle leaf, cut	613A-03054	1
Caelo	Nettle leaf, cut	18071202	1
Caelo	Nettle leaf, cut	12195001	10
Caelo	Nettle leaf, cut	10291422	4
Caelo	Nettle leaf, cut	10291411	3
Caelo	Nettle leaf, cut	10291410	2
Caelo	Nettle leaf, cut	7031302	1
Caelo	Nettle leaf, cut	10282807	1
Caelo	Nettle leaf, cut	12183908-3391311070	1
Caelo	Nettle leaf, cut	nachprüfung	1
Caelo	Nettle leaf, cut	intch:313011	1
Caelo	Nettle leaf, cut	83374109	1
Caelo	Nettle leaf, cut	83142389	1
Caelo	Nettle leaf, cut	72085497	1
Caelo	Nettle leaf, cut	10282806	1
Caelo	Nettle leaf, cut	10162712	1
Caelo	Nettle leaf, cut	19091205	1
Caelo	Nettle leaf, cut	20111306	1
Caelo	Nettle leaf, cut	29071303	1
Caelo	Nettle leaf, cut	33/AD1	1
Caelo	Nettle leaf, cut	17121205	1
Caelo	Nettle leaf, cut	1283910	1
Caelo	Nettle leaf, cut	12195001	1
Caelo	Nettle leaf, cut	12184502	2
Caelo	Nettle leaf, cut	12184005	6
Caelo	Nettle leaf, cut	12184004	10
Caelo	Nettle leaf, cut	12184001	6
Caelo	Nettle leaf, cut	12184503	3
Caelo	Nettle leaf, cut	1218707	1
Caelo	Nettle leaf, cut	12184707	9
Caelo	Nettle leaf, cut	12184706	5
Caelo	Nettle leaf, cut	12195101	4
Caelo	Nettle leaf, cut	12354001	1
Caelo	Nettle leaf, cut	12814001	1
Caelo	Nettle leaf, cut	12183914	11
Caelo	Nettle leaf, cut	12034402	4
Caelo	Nettle leaf, cut	12034403	8
Caelo	Nettle leaf, cut	12034414	1
Caelo	Nettle leaf, cut	14344907	1
Caelo	Nettle leaf, cut	120375901	1

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Supplier	Substance	Batch	Spectra
Caelo	Nettle leaf, cut	13386801	1
Caelo	Nettle leaf, cut	12183911	16
Caelo	Nettle leaf, cut	12183908-3405310181	1
Caelo	Nettle leaf, cut	12183910	11
Caelo	Nettle leaf, cut	12183908-3443311112	1
Caelo	Nettle leaf, cut	13091302	1
Caelo	Nettle leaf, cut	12183908	5
Caelo	Nettle leaf, cut	12183909	1
Caelo	Nettle root, cut	6631B130610	1
Caelo	Nettle root, cut	11265006	1
Caelo	Nettle root, cut	11265003	2
Caelo	Nettle root, cut	11265002	6
Caelo	Nettle root, cut	11254904	3
Caelo	Nettle root, cut	11254903	5
Caelo	Nettle root, cut	6441A121024	1
Caelo	Nettle root, cut	10250203	1
Caelo	Nettle root, cut	11254902	5
Caelo	Nettle root, cut	10081202	1
Caelo	Nicotinamide	12268302	1
Caelo	Nicotinamide	14246806	1
Caelo	Nicotinamide	13352002	1
Caelo	Nicotinamide	13097504	1
Caelo	Non-ionic emulsifying...	21091302	1
Caelo	Non-ionic emulsifying...	12254402	1
Caelo	Norethisterone acetate	13J08-N04	1
Caelo	Nutmeg	12376802	2
Caelo	Nutmeg	12376805	1
Caelo	Nystatin	12158006	6
Caelo	Nystatin	12158005	1
Caelo	Nystatin	12158004	4
Caelo	Nystatin	12138021	2
Caelo	Nystatin	12158009	1
Caelo	Nystatin	13173401	17
Caelo	Nystatin	13101202	1
Caelo	Nystatin	13101201	1
Caelo	Nystatin	12158004	1
Caelo	Nystatin	12158022	1
Caelo	Nystatin	12158021	7
Caelo	Nystatin	12158020	1
Caelo	Nystatin	12158019	3
Caelo	Nystatin	120700902	1
Caelo	Nystatin	11069719	1
Caelo	Nystatin	11069716	1
Caelo	Nystatin	11069706	2
Caelo	Nystatin	3101201	1
Caelo	Nystatin	2091304	1
Caelo	Nystatin	1/0913	2
Caelo	Nystatin	11069730	1
Caelo	Nystatin	12017015	2
Caelo	Nystatin	12017011	3
Caelo	Nystatin	12017010	2
Caelo	Nystatin	12017009	1
Caelo	Nystatin	12017004	5
Caelo	Nystatin	12017003	1
Caelo	Nystatin	11069731	1
Caelo	Nystatin	15335310	1
Caelo	Nystatin	C129330	1
Caelo	Nystatin	11069724	1
Caelo	Oak bark, powdered	10261513	1
Caelo	Oat straw, cut	11280006	2

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Supplier	Substance	Batch	Spectra
Caelo	Oat straw, cut	11280008	3
Caelo	Oat straw, cut	11280010	1
Caelo	Oat straw, cut	11280012	2
Caelo	Oat straw, cut	11280014	1
Caelo	Oat straw, cut	11280015	3
Caelo	Oat straw, cut	11280011	1
Caelo	Oat straw, cut	11280019	1
Caelo	Oat straw, cut	11280017	2
Caelo	Octenidine dihydrochl...	16032910	2
Caelo	Octenidine dihydrochl...	16033002	1
Caelo	Octenidine dihydrochl...	16302910	1
Caelo	Octenidine dihydrochl...	16325305	1
Caelo	Octenidine dihydrochl...	16325304	2
Caelo	Octenidine dihydrochl...	16033001	2
Caelo	Octenidine dihydrochl...	15275502	2
Caelo	Octenidine dihydrochl...	1515E-03732	1
Caelo	Octenidine dihydrochl...	15006207	3
Caelo	Octenidine dihydrochl...	15006202	3
Caelo	Octenidine dihydrochl...	13166810	1
Caelo	Octenidine dihydrochl...	13166808	2
Caelo	Octenidine dihydrochl...	816M-03732	1
Caelo	Octenidine dihydrochl...	15275503	2
Caelo	Octenidine dihydrochl...	15356703	3
Caelo	Octenidine dihydrochl...	16032909	1
Caelo	Octenidine dihydrochl...	15356603	1
Caelo	Octenidine dihydrochl...	15356601	2
Caelo	Octenidine dihydrochl...	15275504	1
Caelo	Octenidine dihydrochl...	16032803	2
Caelo	Orange peel, cut	531A091125	1
Caelo	Oregano herb	12360904	1
Caelo	Oregano herb	11340709	1
Caelo	Oregano herb	11340708	1
Caelo	Oregano herb	11340705	2
Caelo	Oregano herb	11340703	2
Caelo	Oregano herb	12360901	6
Caelo	Oregano herb	12360902	2
Caelo	Orris root	13113401	2
Caelo	Orris root	11026706	1
Caelo	Orris root	11026705	2
Caelo	Orris root	11026704	3
Caelo	Orris root	1026706	1
Caelo	Orris root	nachprüfung	2
Caelo	Orris root	11026701	2
Caelo	Orris root	13113404	1
Caelo	Oxalic acid	13195414	1
Caelo	Oxalic acid	13353907	1
Caelo	Oxalic acid	10383104	1
Caelo	Oxalic acid	12212406	1
Caelo	Oxalic acid	12212407	1
Caelo	Oxalic acid	12212411	1
Caelo	Oxalic acid	13195408	1
Caelo	Oxalic acid	13353901	1
Caelo	Oxalic acid	13353905	2
Caelo	Oxalic acid	13353910	1
Caelo	Oxalic acid	914E-01039	1
Caelo	Oxalic acid	13353915	1
Caelo	Oxalic acid	4812U-01039	1
Caelo	Oxalic acid	12147010	1
Caelo	Oxybuprocaine hydroch...	14G21B02300384	1
Caelo	Oxytetracycline hydro...	15060108	1

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Supplier	Substance	Batch	Spectra
Caelo	Oxytetracycline hydro...	12130001	3
Caelo	Oxytetracycline hydro...	21021305	1
Caelo	Oxytetracycline hydro...	2-28230A	1
Caelo	Oxytetracycline hydro...	150603702	1
Caelo	Oxytetracycline hydro...	16077001	2
Caelo	Oxytetracycline hydro...	11336509	2
Caelo	Oxytetracycline hydro...	16077002	1
Caelo	Oxytetracycline hydro...	11336510	6
Caelo	Oxytetracycline hydro...	5041402	1
Caelo	Oxytetracycline hydro...	12091405	1
Caelo	Oxytetracycline hydro...	12328103	2
Caelo	Oxytetracycline hydro...	12328107	1
Caelo	Oxytetracycline hydro...	13L19-B33-290730	3
Caelo	Oxytetracycline hydro...	14128004	1
Caelo	Papaverine hydrochlor...	12316105	1
Caelo	Papaverine hydrochlor...	91964419	1
Caelo	Papaverine hydrochlor...	B:09157221	1
Caelo	Papaverine hydrochlor...	12166112	1
Caelo	Papaverine hydrochlor...	13324307	1
Caelo	Paracetamol	1912M-02045	1
Caelo	Paracetamol	1814U-02045	1
Caelo	Paracetamol	15245902	1
Caelo	Paracetamol	15245901	2
Caelo	Paracetamol	15075708	1
Caelo	Paracetamol	15075704	5
Caelo	Paracetamol	2815I-02045	1
Caelo	Paracetamol	Paracetamol2	1
Caelo	Paracetamol	Paracetamol1	1
Caelo	Paracetamol	11300113	2
Caelo	Paracetamol	11300108	1
Caelo	Paracetamol	10325018	1
Caelo	Paracetamol	10325017	1
Caelo	Paracetamol	10065102	1
Caelo	Paracetamol	13B05-N04	1
Caelo	Paracetamol	10325020	1
Caelo	Paracetamol	11300120	3
Caelo	Paracetamol	11300120	1
Caelo	Paracetamol	12G23-N04	1
Caelo	Paracetamol	13082011	1
Caelo	Paracetamol	13082010	3
Caelo	Paracetamol	13082008	1
Caelo	Paracetamol	13082005	1
Caelo	Paraffin, hard	1136206	1
Caelo	Paraffin, hard	14286503	1
Caelo	Paraffin, hard	11021202	1
Caelo	Paraffin, hard	10194106	1
Caelo	Paraffin, hard	10194101	2
Caelo	Paraffin, hard	123654	1
Caelo	Paraffin, hard	15295414	4
Caelo	Paraffin, hard	12252205	2
Caelo	Paraffin, hard	11363220	3
Caelo	Paraffin, hard	11363205	1
Caelo	Paraffin, hard	12252206	1
Caelo	Paraffin, hard	12252211	5
Caelo	Paraffin, hard	12252221	2
Caelo	Paraffin, hard	13109203	3
Caelo	Paraffin, hard	13109213	5
Caelo	Paraffin, hard	14286511	2
Caelo	Paraffin, hard	14286517	1
Caelo	Paraffin, hard	1523002	1

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Supplier	Substance	Batch	Spectra
Caelo	Paraffin, hard	152320004	1
Caelo	Paraffin, hard	15232004	3
Caelo	Paraffin, hard	15295405	3
Caelo	Paraffin, hard	14286504	1
Caelo	Paraffin, hard	13109214	6
Caelo	Paraffin, hard	13109224	4
Caelo	Paraffin, hard	13390406	4
Caelo	Paraffin, hard	13390408	1
Caelo	Paraffin, hard	13390413	1
Caelo	Paraffin, hard	13390415	3
Caelo	Paraffin, hard	14126202	1
Caelo	Paraffin, hard	13109221	1
Caelo	Paraffin, microcrysta...	13274303	5
Caelo	Paraffin, microcrysta...	12095101	1
Caelo	Paraffin, microcrysta...	7111202	1
Caelo	Paraffin, microcrysta...	7111201	1
Caelo	Paraffin, microcrysta...	3042012M1	1
Caelo	Paraffin, microcrysta...	14307108	1
Caelo	Paraffin, microcrysta...	14307106	1
Caelo	Paraffin, microcrysta...	52622395	1
Caelo	Paraffin, microcrysta...	12065104	1
Caelo	Paraffin, microcrysta...	12355001	1
Caelo	Paraffin, microcrysta...	30101202	1
Caelo	Parsley herb, rubbed	12376601	2
Caelo	Parsley herb, rubbed	12376602	3
Caelo	Parsley herb, rubbed	12376603	1
Caelo	Parsley herb, rubbed	51978126	1
Caelo	Parsley root, cut	11038704	1
Caelo	Parsley root, cut	13029403	1
Caelo	Parsley root, cut	6441A120606	1
Caelo	Passionflower herb, cut	12031710	13
Caelo	Passionflower herb, cut	12031702	2
Caelo	Passionflower herb, cut	11049116	3
Caelo	Passionflower herb, cut	11049115	1
Caelo	Passionflower herb, cut	11049114	1
Caelo	Passionflower herb, cut	11049113	1
Caelo	Passionflower herb, cut	12031705	5
Caelo	Passionflower herb, cut	12031707	1
Caelo	Passionflower herb, cut	12031716	3
Caelo	Passionflower herb, cut	2913A-01669	1
Caelo	Passionflower herb, cut	12031713	1
Caelo	Passionflower herb, cut	12031712	1
Caelo	Passionflower herb, cut	15085105	1
Caelo	Passionflower herb, cut	13141203	2
Caelo	Passionflower herb, cut	13141202	6
Caelo	Passionflower herb, cut	12101301	1
Caelo	Passionflower herb, cut	12031703	2
Caelo	Passionflower herb, cut	11049111	1
Caelo	Passionflower herb, cut	12031715	8
Caelo	Passionflower herb, cut	12031717	5
Caelo	Passionflower herb, cut	13141205	5
Caelo	Passionflower herb, cut	12031704	1
Caelo	Passionflower herb, cut	12031714	2
Caelo	Passionflower herb, cut	11049108	2
Caelo	Passionflower herb, cut	1011A-01669	1
Caelo	Patent blue V, E131	13351807	2
Caelo	Patent blue V, E131	11305302	1
Caelo	Patent blue V, E131	12364202	1
Caelo	Patent blue V, E131	12364204	1
Caelo	Patent blue V, E131	12364206	2

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Supplier	Substance	Batch	Spectra
Caelo	Patent blue V, E131	12364206	2
Caelo	Patent blue V, E131	11305303	3
Caelo	Patent blue V, E131	CH:002/0913	1
Caelo	Patent blue V, E131	13351808	1
Caelo	Peppermint leaf, cut	5091307	1
Caelo	Peppermint leaf, cut	14221701	1
Caelo	Peppermint leaf, cut	20061202	1
Caelo	Peppermint leaf, cut	268320	1
Caelo	Peppermint leaf, cut	4912E-01503	1
Caelo	Peppermint leaf, cut	6011403	1
Caelo	Peppermint leaf, cut	11327803	7
Caelo	Peppermint leaf, cut	ChB:311092	1
Caelo	Peppermint leaf, cut	2181A1209-13	1
Caelo	Peppermint leaf, cut	11327802	1
Caelo	Peppermint leaf, cut	313A-01503	1
Caelo	Peppermint leaf, cut	12032311	1
Caelo	Peppermint leaf, cut	2181B090928	1
Caelo	Peppermint leaf, cut	11327801	2
Caelo	Peppermint leaf, cut	20111215	1
Caelo	Peppermint leaf, cut	12266903	6
Caelo	Peppermint leaf, cut	12054149	1
Caelo	Peppermint leaf, cut	11347609	1
Caelo	Peppermint leaf, cut	1132803	1
Caelo	Peppermint leaf, cut	12266908	7
Caelo	Peppermint leaf, cut	12266912	1
Caelo	Peppermint leaf, cut	11327808	5
Caelo	Peppermint leaf, cut	12266908-343431160	1
Caelo	Peppermint leaf, cut	13030808-3401310161	1
Caelo	Peppermint leaf, cut	11294409	2
Caelo	Peppermint leaf, cut	13030808	1
Caelo	Peppermint leaf, cut	12266904	3
Caelo	Peppermint leaf, cut	11294401	3
Caelo	Peppermint leaf, cut	912E-01505	1
Caelo	Peppermint leaf, cut	8101301	1
Caelo	Peppermint leaf, cut	13105001	1
Caelo	Peppermint leaf, cut	13214705	1
Caelo	Peppermint leaf, cut	13214706	1
Caelo	Peppermint leaf, cut	13214707	1
Caelo	Peppermint leaf, cut	Int.Ch.:313011	1
Caelo	Peppermint leaf, cut	12032319	2
Caelo	Peppermint leaf, cut	12266913	9
Caelo	Peppermint leaf, cut	11294405	1
Caelo	Peppermint leaf, cut	13030804	1
Caelo	Peppermint leaf, cut	13030805	6
Caelo	Peppermint leaf, cut	13030806	1
Caelo	Peppermint leaf, cut	13030807	3
Caelo	Peppermint leaf, cut	2181B140205	1
Caelo	Peppermint leaf, cut	276514	4
Caelo	Peppermint leaf, cut	Nachprüfung	1
Caelo	Pheniramine maleate	12352602	1
Caelo	Pheniramine maleate	9276210	1
Caelo	Phenobarbital	12D30-N02	1
Caelo	Phenol	11163801	1
Caelo	Phenol	7061305	1
Caelo	Phenol	11163809	1
Caelo	Phenol	12223001	1
Caelo	Phenol	12223005	1
Caelo	Phenol	12223020	1
Caelo	Phenol	12223022	1
Caelo	Phenol	13296902	1

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Supplier	Substance	Batch	Spectra
Caelo	Phenylbutazon	10262901	1
Caelo	Pilocarpine hydrochlo...	12K07-N09	1
Caelo	Pilocarpine hydrochlo...	25051303	1
Caelo	Pilocarpine hydrochlo...	2211112032607	1
Caelo	Pilocarpine hydrochlo...	12217307	1
Caelo	Pilocarpine hydrochlo...	12217302	2
Caelo	Pilocarpine hydrochlo...	1116190	1
Caelo	Pilocarpine hydrochlo...	12217316	1
Caelo	Piper cubeba	11081903	1
Caelo	Podophyllum resin (fr...	12379903	1
Caelo	Podophyllum resin (fr...	82433349	1
Caelo	Podophyllum resin (fr...	11085811	1
Caelo	Podophyllum resin (fr...	11085803	1
Caelo	Podophyllum resin (fr...	11085807	6
Caelo	Podophyllum resin (fr...	12287810	1
Caelo	Podophyllum resin (fr...	12287805	1
Caelo	Poloxamers 407	13133207	1
Caelo	Poloxamers 407	14196101	2
Caelo	Poloxamers 407	14196105	1
Caelo	Poloxamers 407	14196108	3
Caelo	Poloxamers 407	12286801	2
Caelo	Poloxamers 407	13133203	2
Caelo	Poloxamers 407	12286805	1
Caelo	Poloxamers 407	13133201	2
Caelo	Poloxamers 407	12286806	1
Caelo	Poloxamers 407	14359501	1
Caelo	Poloxamers 407	15397802	2
Caelo	Polymyxin B sulfate	1102013-01	1
Caelo	Polymyxin B sulfate	13H28-B02-287953	1
Caelo	Polymyxin B sulfate	1304033-03	1
Caelo	Polymyxin B sulfate	130403302	1
Caelo	Potassium citrate	3012Q-01737	1
Caelo	Potassium citrate	83305269	1
Caelo	Potassium citrate	70913Kaci	1
Caelo	Potassium citrate	9259107	1
Caelo	Potassium citrate	9259120	1
Caelo	Potassium citrate	10067413	1
Caelo	Potassium citrate	11102201	1
Caelo	Potassium citrate	1112008-01	1
Caelo	Potassium citrate	11320201	1
Caelo	Potassium citrate	11320203	2
Caelo	Potassium citrate	2114M1737	1
Caelo	Potassium citrate	15148701	4
Caelo	Potassium citrate	15148702	1
Caelo	Potassium citrate	23121-01737	1
Caelo	Potassium citrate	15148706	3
Caelo	Potassium citrate	15148707	1
Caelo	Potassium citrate	15435701	1
Caelo	Potassium citrate	154357025	1
Caelo	Potassium citrate	15435710	1
Caelo	Potassium citrate	1543702	1
Caelo	Potassium citrate	17061402	1
Caelo	Potassium citrate	11320212	4
Caelo	Potassium citrate	13135904	3
Caelo	Potassium citrate	1313598	1
Caelo	Potassium citrate	28021402	1
Caelo	Potassium citrate	3112M01737	1
Caelo	Potassium citrate	33131-01737	1
Caelo	Potassium citrate	3456	1
Caelo	Potassium citrate	411025-1-P	1

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Supplier	Substance	Batch	Spectra
Caelo	Potassium citrate	5555	1
Caelo	Potassium citrate	71730128	1
Caelo	Potassium citrate	71730367	1
Caelo	Potassium citrate	13135903	3
Caelo	Potassium citrate	11320213	2
Caelo	Potassium citrate	1213503	1
Caelo	Potassium citrate	12135301	2
Caelo	Potassium citrate	12135302	4
Caelo	Potassium citrate	12135303	2
Caelo	Potassium citrate	12135309	3
Caelo	Potassium citrate	12299201	5
Caelo	Potassium citrate	12299202	2
Caelo	Potassium citrate	12299203	2
Caelo	Potassium citrate	13080604	1
Caelo	Potassium citrate	15123103	3
Caelo	Potassium citrate	12345678	2
Caelo	Potassium citrate	123654879	1
Caelo	Potassium citrate	123Test	2
Caelo	Potassium citrate	123test	1
Caelo	Potassium citrate	123Testmessung	1
Caelo	Potassium citrate	12456	1
Caelo	Potassium citrate	12648	1
Caelo	Potassium citrate	13080603	2
Caelo	Potassium citrate	12334	1
Caelo	Potassium citrate	14138105	4
Caelo	Potassium citrate	1215309	1
Caelo	Potassium citrate	12299207	5
Caelo	Potassium citrate		18
Caelo	Potassium citrate	11320202	2
Caelo	Potassium citrate	1234	8
Caelo	Potassium citrate	13080602	9
Caelo	Potassium citrate	5021509	1
Caelo	Potassium citrate	13135902	1
Caelo	Potassium citrate	13317618	4
Caelo	Potassium citrate	13317619	3
Caelo	Potassium citrate	14138118	2
Caelo	Potassium citrate	15123102	1
Caelo	Potassium citrate	14138119	1
Caelo	Potassium citrate	1413812	1
Caelo	Potassium citrate	13317617	2
Caelo	Potassium citrate	13135908	2
Caelo	Potassium citrate	14138112	2
Caelo	Potassium citrate	13317602	5
Caelo	Potassium citrate	13317603	4
Caelo	Potassium citrate	14138107	2
Caelo	Potassium citrate	13317604	2
Caelo	Potassium citrate	13317613	4
Caelo	Potassium hydrocarbon...	12141924	3
Caelo	Potassium hydrocarbon...	12141920	1
Caelo	Potassium hydrocarbon...	11105818	2
Caelo	Potassium hydrocarbon...	11105822	1
Caelo	Potassium hydrocarbon...	1214190	1
Caelo	Potassium hydrocarbon...	12141905	3
Caelo	Potassium hydrocarbon...	12141910	13
Caelo	Potassium hydrocarbon...	12141912	3
Caelo	Potassium hydrocarbon...	IntCh:217002	1
Caelo	Potassium hydrocarbon...	12239705	1
Caelo	Potassium hydrocarbon...	12239703	8
Caelo	Potassium hydrocarbon...	12239702	2
Caelo	Potassium hydrocarbon...	12230703	1

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Supplier	Substance	Batch	Spectra
Caelo	Potassium hydrocarbon...	13141926	1
Caelo	Potassium hydrocarbon...	13390303	1
Caelo	Potassium hydrocarbon...	700544	1
Caelo	Potassium hydrocarbon...	3812Q-01728	1
Caelo	Potassium hydrocarbon...	12141930	2
Caelo	Potassium hydrocarbon...	33131-01728	1
Caelo	Potassium hydrocarbon...	24051301	1
Caelo	Potassium hydrocarbon...	20080410-3	1
Caelo	Potassium hydrocarbon...	11105808	1
Caelo	Potassium hydrocarbon...	12239701	5
Caelo	Potassium hydrocarbon...	11105812	2
Caelo	Potassium hydrocarbon...	12141919	3
Caelo	Potassium hydrocarbon...	6011405	1
Caelo	Potassium hydrocarbon...	8101202	1
Caelo	Potassium hydrocarbon...	11105801	1
Caelo	Potassium hydrocarbon...	11105804	2
Caelo	Potassium hydrocarbon...	1011M-01728	1
Caelo	Potassium hydrocarbon...	10052629	1
Caelo	Potassium hydrocarbon...	10052610	1
Caelo	Potassium hydrogen ta...	13030002	1
Caelo	Potassium hydrogen ta...	11345807	1
Caelo	Potassium hydrogen ta...	11345805	1
Caelo	Potassium hydrogen ta...	14115208	1
Caelo	Potassium hydrogen ta...	11127417	1
Caelo	Potassium hydrogen ta...	13030006	3
Caelo	Potassium hydrogen ta...	13133120	2
Caelo	Potassium hydrogen ta...	90573259	1
Caelo	Potassium hydrogen ta...	17061303	1
Caelo	Potassium hydrogen ta...	15081008	2
Caelo	Potassium hydrogen ta...	13133104	2
Caelo	Potassium hydrogen ta...	13133114	1
Caelo	Potassium hydroxide	11165705	1
Caelo	Potassium hydroxide	13275207	1
Caelo	Potassium hydroxide	27111310	1
Caelo	Potassium hydroxide	17091202	1
Caelo	Potassium hydroxide	13275201	1
Caelo	Potassium hydroxide	12382611	2
Caelo	Potassium hydroxide	12382606	2
Caelo	Potassium hydroxide	12382603	5
Caelo	Potassium hydroxide	12057908	2
Caelo	Potassium hydroxide	12057906	1
Caelo	Potassium hydroxide	12057903	1
Caelo	Potassium hydroxide	12057905	2
Caelo	Potassium hydroxide	12057912	2
Caelo	Potassium hydroxide	12382601	2
Caelo	Potassium sorbate	15248205	4
Caelo	Potassium sorbate	14380612	1
Caelo	Potassium sorbate	12345	1
Caelo	Potassium sorbate	14380620	1
Caelo	Potassium sorbate	12211123	1
Caelo	Potassium sorbate	14380621	3
Caelo	Potassium sorbate	14380622	7
Caelo	Potassium sorbate	14380610	10
Caelo	Potassium sorbate	13065222	3
Caelo	Potassium sorbate	13111409	1
Caelo	Potassium sorbate	13224608	2
Caelo	Potassium sorbate	13224611	7
Caelo	Potassium sorbate	13277804	1
Caelo	Potassium sorbate	14380602	2
Caelo	Potassium sorbate	14380606	6

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Supplier	Substance	Batch	Spectra
Caelo	Potassium sorbate	14380627	4
Caelo	Potassium sorbate	12059908	1
Caelo	Potassium sorbate	12059914	3
Caelo	Potassium sorbate	1205999	1
Caelo	Potassium sorbate	1221101	1
Caelo	Potassium sorbate	12211121	4
Caelo	Potassium sorbate	1221107	1
Caelo	Potassium sorbate	12211102	5
Caelo	Potassium sorbate	12059905	4
Caelo	Potassium sorbate	14380632	3
Caelo	Potassium sorbate	14380633	1
Caelo	Potassium sorbate	14380635	2
Caelo	Potassium sorbate	15248203	1
Caelo	Potassium sorbate	15382105	4
Caelo	Potassium sorbate	15382114	2
Caelo	Potassium sorbate	11214207	1
Caelo	Potassium sorbate	20021112-2	1
Caelo	Potassium sorbate	14380601	15
Caelo	Potassium sorbate	12211107	22
Caelo	Potassium sorbate	13224612	14
Caelo	Potassium sorbate	10012210	2
Caelo	Potassium sorbate	2912M-01748	2
Caelo	Potassium sorbate	10199505	1
Caelo	Potassium sorbate	13224610	1
Caelo	Potassium sorbate	91623299	2
Caelo	Potassium sorbate	12059909	8
Caelo	Potassium sorbate	3512M-01748	1
Caelo	Potassium sorbate	15248204	12
Caelo	Potassium sorbate	13065204	14
Caelo	Potassium sorbate	13065217	14
Caelo	Potassium sorbate	14380607	5
Caelo	Potassium sorbate	11261304	5
Caelo	Potassium sorbate	11192305	1
Caelo	Potassium sorbate	9305601	2
Caelo	Potassium sorbate	2041402	1
Caelo	Potassium sorbate	AKD10	1
Caelo	Potassium sorbate	K-010213-1	1
Caelo	Potassium sorbate	13065205	19
Caelo	Potassium sorbate	200613K1	1
Caelo	Potassium sorbate	12211101	14
Caelo	Potassium sorbate	12211108	1
Caelo	Potassium tartrate he...	13111415	1
Caelo	Potassium tartrate he...	12322105	1
Caelo	Potassium tartrate he...	13331109	1
Caelo	Potassium tartrate he...	27061304	1
Caelo	Potato starch	11301012	2
Caelo	Povidone 25, soluble	15383101	2
Caelo	Povidone 25, soluble	14207515	1
Caelo	Povidone 25, soluble	14142109	1
Caelo	Povidone 25, soluble	12032714	1
Caelo	Povidone 25, soluble	14142109	2
Caelo	Povidone 25, soluble	14207508	3
Caelo	Povidone 25, soluble	14142103	1
Caelo	Povidone 25, soluble	15383102	1
Caelo	Povidone 25, soluble	16051101	1
Caelo	Povidone 25, soluble	12376301	1
Caelo	Povidone 25, soluble	13323407	2
Caelo	Povidone 25, soluble	14207511	3
Caelo	Povidone 25, soluble	14207511	1
Caelo	Povidone iodine	12153119	2

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Supplier	Substance	Batch	Spectra
Caelo	Povidone iodine	12153116	2
Caelo	Povidone iodine	11168607	1
Caelo	Povidone iodine	12072605	1
Caelo	Povidone iodine	12153106	2
Caelo	Povidone iodine	12153110	2
Caelo	Povidone iodine	19061302	1
Caelo	Povidone iodine	15121402	1
Caelo	Povidone iodine	14195813	2
Caelo	Povidone iodine	14195810	3
Caelo	Prasterone	1412028-01	1
Caelo	Prasterone	T03-04	1
Caelo	Prednicarbate, micron...	13372403	10
Caelo	Prednicarbate, micron...	13224406	1
Caelo	Prednicarbate, micron...	12383301	1
Caelo	Prednicarbate, micron...	13119401	1
Caelo	Prednicarbate, micron...	13119402	2
Caelo	Prednicarbate, micron...	13372408	1
Caelo	Prednicarbate, micron...	1507011-01	2
Caelo	Prednicarbate, micron...	15181403	11
Caelo	Prednicarbate, micron...	13372419	2
Caelo	Prednicarbate, micron...	1213608	1
Caelo	Prednicarbate, micron...	13372411	1
Caelo	Prednicarbate, micron...	13372410	6
Caelo	Prednicarbate, micron...	15446301	15
Caelo	Prednicarbate, micron...	16087408	3
Caelo	Prednicarbate, micron...	16087410	1
Caelo	Prednicarbate, micron...	16A18-B01-322732	1
Caelo	Prednicarbate, micron...	12383309	1
Caelo	Prednicarbate, micron...	12383304	2
Caelo	Prednicarbate, micron...	12123607	2
Caelo	Prednicarbate, micron...	12123610	1
Caelo	Prednicarbate, micron...	16087401	2
Caelo	Prednicarbate, micron...	15446302	5
Caelo	Prednicarbate, micron...	C0333/1111070	1
Caelo	Prednicarbate, micron...	13F11-N02	1
Caelo	Prednicarbate, micron...	15446303	3
Caelo	Prednicarbate, micron...	15446305	2
Caelo	Prednicarbate, micron...	15181404	3
Caelo	Prednisolon dihydroge...	16174701	1
Caelo	Prednisolon dihydroge...	15199603	1
Caelo	Prednisolon dihydroge...	15199602	1
Caelo	Prednisolone acetate	1501038-02	1
Caelo	Prednisolone acetate	12091808	4
Caelo	Prednisolone acetate	12324509	2
Caelo	Prednisolone acetate	12324505	17
Caelo	Prednisolone acetate	12324502	13
Caelo	Prednisolone acetate	13262609	4
Caelo	Prednisolone acetate	16/AKD2	1
Caelo	Prednisolone acetate	1234502	1
Caelo	Prednisolone acetate	12091802	11
Caelo	Prednisolone acetate	12091803	7
Caelo	Prednisolone acetate	12091807	8
Caelo	Prednisolone acetate	12091810	1
Caelo	Prednisolone acetate	15398408	2
Caelo	Prednisolone acetate	1234506	2
Caelo	Prednisolone acetate	12091804	6
Caelo	Prednisolone acetate	140601401	1
Caelo	Prednisolone acetate	12091815	2
Caelo	Prednisolone acetate	15055202	11
Caelo	Prednisolone acetate	12091814	6

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Supplier	Substance	Batch	Spectra
Caelo	Prednisolone acetate	15055203	2
Caelo	Prednisolone acetate	15055206	8
Caelo	Prednisolone acetate	13343112	1
Caelo	Prednisolone acetate	313I-02106	1
Caelo	Prednisolone acetate	15055201	10
Caelo	Prednisolone acetate	14175514	7
Caelo	Prednisolone acetate	12091806	3
Caelo	Prednisolone acetate	12091813	2
Caelo	Prednisolone acetate	13262602	8
Caelo	Prednisolone acetate	12324508	10
Caelo	Prednisolone acetate	16246801	1
Caelo	Prednisolone acetate	16246804	1
Caelo	Prednisolone acetate	11158003	1
Caelo	Prednisolone acetate	14380905	7
Caelo	Prednisolone acetate	14175508	14
Caelo	Prednisolone acetate	14380909	11
Caelo	Prednisolone acetate	12324504	11
Caelo	Prednisolone acetate	15396304	1
Caelo	Prednisolone acetate	1406014-02	11
Caelo	Prednisolone acetate	14380910	6
Caelo	Prednisolone acetate	14175509	3
Caelo	Prednisolone acetate	14380302	1
Caelo	Prednisolone acetate	5031511	1
Caelo	Prednisolone acetate	13262606	7
Caelo	Prednisolone acetate	14175513	12
Caelo	Prednisolone acetate	14380901	8
Caelo	Prednisolone acetate	14175512	1
Caelo	Prednisolone acetate	14380902	4
Caelo	Prednisolone acetate	15398302	8
Caelo	Prednisolone acetate	15398306	1
Caelo	Prednisolone acetate	15398307	7
Caelo	Prednisolone acetate	15398401	2
Caelo	Prednisolone acetate	15398402	4
Caelo	Prednisolone acetate	6021306	1
Caelo	Prednisolone acetate	11080403	1
Caelo	Prednisolone acetate	11158002	1
Caelo	Prednisolone acetate	15398304	2
Caelo	Prednisolone acetate	13262603	9
Caelo	Prednisolone acetate	12324503	1
Caelo	Prednisolone acetate	27051301	1
Caelo	Prednisolone acetate	12324506	15
Caelo	Prednisolone acetate	12324514	2
Caelo	Prednisolone acetate	13262601	21
Caelo	Prednisolone acetate	15398303	9
Caelo	Prednisolone acetate		2
Caelo	Prednisolone acetate	4313A-02106	1
Caelo	Prednisolone hydrogen...	15C11-B05-305533	1
Caelo	Prednisolone hydrogen...	19081502	1
Caelo	Prednisolone hydrogen...	12A20-N11	1
Caelo	Prednisolone, microni...	15206103	5
Caelo	Prednisolone, microni...	10196623	1
Caelo	Prednisolone, microni...	15206105	3
Caelo	Prednisolone, microni...	15206108	2
Caelo	Prednisolone, microni...	10196614	1
Caelo	Prednisolone, microni...	133414	1
Caelo	Prednisolone, microni...	13343105	3
Caelo	Prednisolone, microni...	13343104	3
Caelo	Prednisolone, microni...	10196625	1
Caelo	Prednisolone, microni...	152006105	1
Caelo	Prednisolone, microni...	15055102	2

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Supplier	Substance	Batch	Spectra
Caelo	Prednisolone, microni...	15206101	4
Caelo	Prednisolone, microni...	15055102	1
Caelo	Prednisolone, microni...	15206101	1
Caelo	Prednisolone, microni...	15055101	3
Caelo	Prednisolone, microni...	15206102	6
Caelo	Prednisolone, microni...	10196626	10
Caelo	Prednisolone, microni...	15206102	1
Caelo	Prednisolone, microni...	15206108	3
Caelo	Prednisolone, microni...	15400004	1
Caelo	Prednisolone, microni...	15400003	1
Caelo	Prednisolone, microni...	19081504	1
Caelo	Prednisolone, microni...		1
Caelo	Prednisolone, microni...	9244213	2
Caelo	Prednisolone, microni...	P142/14	1
Caelo	Prednisolone, microni...	13343113	1
Caelo	Prednisolone, microni...	4712I-02105	1
Caelo	Prednisolone, microni...	k04c20121219	1
Caelo	Prednisolone, microni...	15400003	1
Caelo	Prednisolone, microni...	14/10B03302265	2
Caelo	Prednisolone, microni...	13343104	5
Caelo	Prednisolone, microni...	13H07-B02-285590	1
Caelo	Prednisolone, microni...	13343116	2
Caelo	Prednisolone, microni...	13343115	6
Caelo	Prednisolone, microni...	13343114	3
Caelo	Prednisolone, microni...	10196611	3
Caelo	Prednisolone, microni...	15400002	1
Caelo	Prednisolone, microni...	15400003	6
Caelo	Prednisolone, microni...	10196626	1
Caelo	Prednisolone, microni...	12171301	5
Caelo	Prednisolone, microni...	12324220	2
Caelo	Prednisolone, microni...	10196604	1
Caelo	Prednisolone, microni...	12324221	1
Caelo	Prednisolone, microni...	10196619	1
Caelo	Prednisolone, microni...	13343106	1
Caelo	Prednisolone, microni...	12324207	6
Caelo	Prednisolone, microni...	123242216	1
Caelo	Prednisolone, microni...	13343111	4
Caelo	Prednisolone, microni...	13343106	5
Caelo	Prednisolone, microni...	1234205	1
Caelo	Prednisolone, microni...	11/26-N04	1
Caelo	Prednisolone, microni...	121202102	2
Caelo	Prednisolone, microni...	12324226	1
Caelo	Prednisolone, microni...	13343105	3
Caelo	Prednisolone, microni...	9193501	1
Caelo	Prednisolone, microni...	13343105	1
Caelo	Prednisolone, microni...	1019611	1
Caelo	Prednisolone, microni...	13343111	1
Caelo	Prednisolone, microni...	1511011	1
Caelo	Prednisolone, microni...	12324217	8
Caelo	Prednisolone, microni...	26131-02105	1
Caelo	Prednisolone, microni...	20021303	1
Caelo	Prednisolone, microni...	411092-1-P	1
Caelo	Prednisolone, microni...	10196606	1
Caelo	Prednisolone, microni...	4513U2105	1
Caelo	Prednisolone, microni...	12324206	1
Caelo	Prednisolone, microni...	10196627	11
Caelo	Prednisolone, microni...	12324226	5
Caelo	Prednisolone, microni...	12324205	15
Caelo	Prednisolone, microni...	12324226	3
Caelo	Prednisolone, microni...	15206102	1

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Supplier	Substance	Batch	Spectra
Caelo	Prednisolone, microni...	12324203	6
Caelo	Prednisolone, microni...	12324213	8
Caelo	Prednisolone, microni...	12324216	16
Caelo	Prednisolone, microni...	1232417	2
Caelo	Prednisolone, microni...	13e15-n06	2
Caelo	Prednisolone, microni...	12324221	2
Caelo	Prednisolone, microni...	13343106	3
Caelo	Prednisolone, microni...	1212021-03	2
Caelo	Prednisolone, microni...	12171306	2
Caelo	Prednisolone, microni...	12171302	2
Caelo	Prednisolone, microni...	2413Q02105	1
Caelo	Prednisone	10037803	1
Caelo	Prednisone	10037817	2
Caelo	Prednisone	28021403	1
Caelo	Prednisone	13262304	1
Caelo	Prednisone	28021401	1
Caelo	Prednisone	15218602	2
Caelo	Prednisone	2114Q2107	1
Caelo	Prednisone	15218606	1
Caelo	Prednisone	12232705	2
Caelo	Prednisone	12232713	1
Caelo	Prednisone	12177604	2
Caelo	Prednisone	10037826	1
Caelo	Prednisone	204312107	1
Caelo	Prednisone	13262302	1
Caelo	Primrose flower	11374401	12
Caelo	Primrose flower	11374404	1
Caelo	Primrose flower	10207104	1
Caelo	Primrose flower	13086603	2
Caelo	Primrose flower	13086602	2
Caelo	Primrose flower	11374403	1
Caelo	Primrose flower	113744044	1
Caelo	Primrose flower	11206603	1
Caelo	Primrose flower	13086608	1
Caelo	Primrose flower	13086603	3
Caelo	Primrose flower	11206811	1
Caelo	Primrose flower	11206803	5
Caelo	Primrose flower	11268005	2
Caelo	Primrose flower	11206807	1
Caelo	Primrose flower	11206805	1
Caelo	Primrose flower	5021303	1
Caelo	Primrose flower	11206804	1
Caelo	Primrose flower	10072509	1
Caelo	Primrose flower	9021301	1
Caelo	Primrose flower	11206808	2
Caelo	Primrose flower	13086605	1
Caelo	Primrose flower	11206810	7
Caelo	Primrose flower	13276904	1
Caelo	Primrose flower	11206811	3
Caelo	Primrose flower	11374402	1
Caelo	Primrose root, cut	13087005-3534411072	1
Caelo	Primrose root, cut	212Q-02159	1
Caelo	Primrose root, cut	4021410	1
Caelo	Primrose root, cut	13087002	7
Caelo	Primrose root, cut	13087001	1
Caelo	Primrose root, cut	13087004	1
Caelo	Primrose root, cut	5010E-02159	1
Caelo	Primrose root, cut	10382009	2
Caelo	Primrose root, cut	12064506	4
Caelo	Primrose root, cut	10382010	1

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Supplier	Substance	Batch	Spectra
Caelo	Primrose root, cut	Int.Ch:318090	1
Caelo	Primrose root, cut	12064503	1
Caelo	Primrose root, cut	12064502	1
Caelo	Primrose root, cut	10382013	2
Caelo	Primrose root, cut	10382012	1
Caelo	Primrose root, cut	71653517	1
Caelo	Primrose root, cut	13067001	1
Caelo	Primrose root, cut	13087005	3
Caelo	Primrose root, cut	24011301	1
Caelo	Procaine hydrochloride	11370204	1
Caelo	Procaine hydrochloride	13109908	2
Caelo	Procaine hydrochloride	12177801	4
Caelo	Procaine hydrochloride	11370219	1
Caelo	Procaine hydrochloride	11370203	1
Caelo	Procaine hydrochloride	13109915	1
Caelo	Procaine hydrochloride	10159729	1
Caelo	Procaine hydrochloride	131099903	1
Caelo	Procaine hydrochloride	11370206	1
Caelo	Procaine hydrochloride	11370215	1
Caelo	Procaine hydrochloride	11370216	2
Caelo	Procaine hydrochloride	7011506	1
Caelo	Procaine hydrochloride	1310880	1
Caelo	Procaine hydrochloride	13109916	1
Caelo	Procaine hydrochloride	13F12-B40-302510	1
Caelo	Procaine hydrochloride	14164408	1
Caelo	Procaine hydrochloride	14164409	3
Caelo	Procaine hydrochloride	10159723	1
Caelo	Procaine hydrochloride	60998127	2
Caelo	Procaine hydrochloride	15006913	1
Caelo	Procaine hydrochloride	15006902	1
Caelo	Progesterone, microni...	14253911	3
Caelo	Progesterone, microni...	27121303	1
Caelo	Progesterone, microni...	C01-120613	2
Caelo	Progesterone, microni...	14253915	2
Caelo	Progesterone, microni...	14253906	3
Caelo	Progesterone, microni...	140100201	1
Caelo	Progesterone, microni...	13155929	3
Caelo	Progesterone, microni...	13155927	2
Caelo	Progesterone, microni...	13155928	3
Caelo	Progesterone, microni...	130404002	2
Caelo	Progesterone, microni...	14H13-B05-3002016	1
Caelo	Progesterone, microni...	15319607	2
Caelo	Progesterone, microni...	15319602	1
Caelo	Progesterone, microni...	15319618	1
Caelo	Progesterone, microni...	15319601	1
Caelo	Progesterone, microni...	15124919	1
Caelo	Progesterone, microni...	15I11-B05-314184	1
Caelo	Progesterone, microni...	160100902	1
Caelo	Progesterone, microni...	15124910	1
Caelo	Progesterone, microni...	16103602	3
Caelo	Progesterone, microni...	16A20-B02-319103	1
Caelo	Progesterone, microni...	9195419	1
Caelo	Progesterone, microni...	19051502	1
Caelo	Progesterone, microni...	12195926	19
Caelo	Progesterone, microni...	12195924	3
Caelo	Progesterone, microni...	12195828	1
Caelo	Progesterone, microni...	7101401	1
Caelo	Progesterone, microni...	12195902	1
Caelo	Progesterone, microni...	11177221	2
Caelo	Progesterone, microni...	11177219	3

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Supplier	Substance	Batch	Spectra
Caelo	Progesterone, microni...	11177207	2
Caelo	Progesterone, microni...	9195429	2
Caelo	Progesterone, microni...	9195408	1
Caelo	Progesterone, microni...	12195905	2
Caelo	Progesterone, microni...	12195920	10
Caelo	Progesterone, microni...	12195914	3
Caelo	Progesterone, microni...	12195913	3
Caelo	Progesterone, microni...	12195912	3
Caelo	Progesterone, microni...	12195907	7
Caelo	Progesterone, microni...	12195906	4
Caelo	Progesterone, microni...	12195928	14
Caelo	Progesterone, microni...	13155902	9
Caelo	Progesterone, microni...	13155920	2
Caelo	Progesterone, microni...	13155921	2
Caelo	Promethazine hydrochl...	13119211	1
Caelo	Promethazine hydrochl...	14336505	1
Caelo	Promethazine hydrochl...	11352305	1
Caelo	Propranolol hydrochlo...	15F16-B02-312979	2
Caelo	Propranolol hydrochlo...	15422502	4
Caelo	Propranolol hydrochlo...	15422501	3
Caelo	Propranolol hydrochlo...	15422505	2
Caelo	Propranolol hydrochlo...	12370712	1
Caelo	Propranolol hydrochlo...	12370703	1
Caelo	Propranolol hydrochlo...	13/13-N04	1
Caelo	Propranolol hydrochlo...	13E15-B40	4
Caelo	Propranolol hydrochlo...	M130104	2
Caelo	Propranolol hydrochlo...	12370710	2
Caelo	Propranolol hydrochlo...	13E15-B40-289355	4
Caelo	Propranolol hydrochlo...	15F16-B02	1
Caelo	Propranolol hydrochlo...	12370709	2
Caelo	Propranolol hydrochlo...	13I13N04	1
Caelo	Propranolol hydrochlo...	13379806	1
Caelo	Propranolol hydrochlo...	15082405	3
Caelo	Propranolol hydrochlo...	11F21-N11	3
Caelo	Propranolol hydrochlo...	12370707	1
Caelo	Propranolol hydrochlo...	12a27-n04	1
Caelo	Propranolol hydrochlo...	15283301	5
Caelo	Propranolol hydrochlo...	13379809	2
Caelo	Propranolol hydrochlo...	13379807	1
Caelo	Propranolol hydrochlo...	13379807	2
Caelo	Propranolol hydrochlo...	15283302	4
Caelo	Propyl-4-hydroxybenzo...	3115M-01931	1
Caelo	Propyl-4-hydroxybenzo...	13365009	4
Caelo	Propyl-4-hydroxybenzo...	13100219	1
Caelo	Propyl-4-hydroxybenzo...	13100218	2
Caelo	Propyl-4-hydroxybenzo...	11102610	1
Caelo	Propyl-4-hydroxybenzo...	11102611	2
Caelo	Propyl-4-hydroxybenzo...	11102609	3
Caelo	Propyl-4-hydroxybenzo...	13365011	3
Caelo	Propyl-4-hydroxybenzo...	4314U-01931	1
Caelo	Propyl-4-hydroxybenzo...	14359006	1
Caelo	Propyl-4-hydroxybenzo...	13365006	2
Caelo	Propyl-4-hydroxybenzo...	13365006	2
Caelo	Propyl-4-hydroxybenzo...	221014PAS01	1
Caelo	Propyl-4-hydroxybenzo...	713Q-01931	1
Caelo	Propyl-4-hydroxybenzo...	1108211931	1
Caelo	Propyl-4-hydroxybenzo...	13100217	2
Caelo	Propyl-4-hydroxybenzo...	11373524	1
Caelo	Propyl-4-hydroxybenzo...	14359019	1
Caelo	Propyl-4-hydroxybenzo...	13051504	1

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Supplier	Substance	Batch	Spectra
Caelo	Propyl-4-hydroxybenzo...	15246502	1
Caelo	Propyl-4-hydroxybenzo...	14359005	5
Caelo	Propyl-4-hydroxybenzo...	3041408	1
Caelo	Propyl-4-hydroxybenzo...	290114PML03	1
Caelo	Propyl-4-hydroxybenzo...	82792159	1
Caelo	Propyl-4-hydroxybenzo...	15246501	1
Caelo	Propyl-4-hydroxybenzo...	113735223	1
Caelo	Propyl-4-hydroxybenzo...	11102621	2
Caelo	Propyl-4-hydroxybenzo...	11102624	3
Caelo	Propyl-4-hydroxybenzo...	13365011	1
Caelo	Propyl-4-hydroxybenzo...	11373504	1
Caelo	Propyl-4-hydroxybenzo...	13100208	1
Caelo	Propyl-4-hydroxybenzo...	13365012	1
Caelo	Propyl-4-hydroxybenzo...	11373505	6
Caelo	Propyl-4-hydroxybenzo...	14359008	1
Caelo	Propyl-4-hydroxybenzo...	1913I-01931	1
Caelo	Propyl-4-hydroxybenzo...	11373518	3
Caelo	Propyphenazone	15122505	1
Caelo	Propyphenazone	13137104	1
Caelo	Propyphenazone	15348902	1
Caelo	Propyphenazone	15122504	1
Caelo	Propyphenazone	15122502	1
Caelo	Propyphenazone	13036702	4
Caelo	Propyphenazone	12039101	2
Caelo	Propyphenazone	12039112	1
Caelo	Propyphenazone	13332205	3
Caelo	Pyridoxine hydrochlor...	15218707	1
Caelo	Pyridoxine hydrochlor...	13102509	2
Caelo	Pyridoxine hydrochlor...	11021406	1
Caelo	Pyridoxine hydrochlor...	12214110	4
Caelo	Pyridoxine hydrochlor...	12214104	1
Caelo	Pyridoxine hydrochlor...	14262302	3
Caelo	Pyridoxine hydrochlor...	13102516	1
Caelo	Quinine hydrochloride	12316611	1
Caelo	Quinine hydrochloride	12316605	1
Caelo	Quinine hydrochloride	13D24-N06	1
Caelo	Quinine sulfate dihyd...	15B06B03304359	1
Caelo	Quinoline yellow	12042004	3
Caelo	Quinoline yellow	11089601	1
Caelo	Quinoline yellow	11089610	2
Caelo	Quinoline yellow	12042010	1
Caelo	Quinoline yellow	12042007	4
Caelo	Quinoline yellow	18011305	1
Caelo	Quinoline yellow	12042002	3
Caelo	Quinoline yellow	11089606	1
Caelo	Quinoline yellow	14363201	1
Caelo	Quinoline yellow	14274309	1
Caelo	Quinoline yellow	13109102	2
Caelo	Quinoline yellow	20301211-6	1
Caelo	Quinoline yellow	14274305	1
Caelo	Quinoline yellow	13109109	1
Caelo	Quinoline yellow	713E-03146	1
Caelo	Quinoline yellow	15276803	1
Caelo	Quinoline yellow	14363202	3
Caelo	Quinoline yellow	14049401	2
Caelo	Quinolinol sulfate po...	7051305	1
Caelo	Quinolinol sulfate po...	13071101	2
Caelo	Quinolinol sulfate po...	13071104	4
Caelo	Quinolinol sulfate po...	13071106	1
Caelo	Quinolinol sulfate po...	9106304	1

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Supplier	Substance	Batch	Spectra
Caelo	Quinolinol sulfate po...	13403506	5
Caelo	Quinolinol sulfate po...	82716049	1
Caelo	Quinolinol sulfate po...	13403501	3
Caelo	Quinolinol sulfate po...	13403501	1
Caelo	Quinolinol sulfate po...	13403513	1
Caelo	Quinolinol sulfate po...	10281601	1
Caelo	Quinolinol sulfate po...	2210E-03423	1
Caelo	Raspberry leaf, cut	713E-01511	1
Caelo	Raspberry leaf, cut	23051204	1
Caelo	Raspberry leaf, cut	6859427	1
Caelo	Raspberry leaf, cut	10013407	1
Caelo	Raspberry leaf, cut	12103108	9
Caelo	Raspberry leaf, cut	7011402	1
Caelo	Raspberry leaf, cut	2405211511	1
Caelo	Raspberry leaf, cut	10013410	1
Caelo	Raspberry leaf, cut	14018803	1
Caelo	Raspberry leaf, cut	11121201	1
Caelo	Raspberry leaf, cut	12103105	16
Caelo	Raspberry leaf, cut	11071301	1
Caelo	Raspberry leaf, cut	12362711	9
Caelo	Raspberry leaf, cut	261490	1
Caelo	Raspberry leaf, cut	2271C120508	4
Caelo	Raspberry leaf, cut	13086704	1
Caelo	Raspberry leaf, cut	1310603	1
Caelo	Raspberry leaf, cut	8031307	1
Caelo	Raspberry leaf, cut	9011404	1
Caelo	Raspberry leaf, cut	13127901	3
Caelo	Raspberry leaf, cut	9081205	1
Caelo	Raspberry leaf, cut	18101203	1
Caelo	Raspberry leaf, cut	9101204	1
Caelo	Raspberry leaf, cut	12103102	2
Caelo	Raspberry leaf, cut	17121203	1
Caelo	Raspberry leaf, cut	10013406	4
Caelo	Raspberry leaf, cut	1236705	1
Caelo	Raspberry leaf, cut	12103107	12
Caelo	Raspberry leaf, cut	11030705	1
Caelo	Raspberry leaf, cut	12362709	5
Caelo	Raspberry leaf, cut	12362707	4
Caelo	Raspberry leaf, cut	12362703	7
Caelo	Raspberry leaf, cut	12368706	1
Caelo	Raspberry leaf, cut	12362704	2
Caelo	Raspberry leaf, cut	12362702	8
Caelo	Raspberry leaf, cut	1210315	1
Caelo	Raspberry leaf, cut	25091201	1
Caelo	Raspberry leaf, cut	12103111	21
Caelo	Raspberry leaf, cut	2909211511	1
Caelo	Raspberry leaf, cut	12392709	1
Caelo	Raspberry leaf, cut	12362710-3432311160	1
Caelo	Raspberry leaf, cut	12130107	1
Caelo	Raspberry leaf, cut	13101602-347312141	1
Caelo	Raspberry leaf, cut	13101605	1
Caelo	Raspberry leaf, cut	10136412	1
Caelo	Raspberry leaf, cut	18041304	1
Caelo	Raspberry leaf, cut	10136404	1
Caelo	Raspberry leaf, cut	314U1511	1
Caelo	Raspberry leaf, cut	12362701	7
Caelo	Raspberry leaf, cut	30011408	1
Caelo	Raspberry leaf, cut	11030707	3
Caelo	Raspberry leaf, cut	11030706	4
Caelo	Raspberry leaf, cut	11030704	2

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Supplier	Substance	Batch	Spectra
Caelo	Raspberry leaf, cut	10013409	2
Caelo	Raspberry leaf, cut	613M-01511	1
Caelo	Raspberry leaf, cut	13038003	3
Caelo	Raspberry leaf, cut	307211511	1
Caelo	Raspberry leaf, cut	21051302	1
Caelo	Raspberry leaf, cut	12362710	10
Caelo	Raspberry leaf, cut	IntCh:311090	1
Caelo	Raspberry leaf, cut	13101603	5
Caelo	Raspberry leaf, cut	20081311	1
Caelo	Raspberry leaf, cut	13038002	1
Caelo	Raspberry leaf, cut	12362706	32
Caelo	Raspberry leaf, cut	12362705	10
Caelo	Raspberry leaf, cut	4071202	1
Caelo	Raspberry leaf, cut	22081201	1
Caelo	Red poppy petals, cut	12330205	1
Caelo	Red-Rose petal	13126304	1
Caelo	Red-Rose petal	12380004	1
Caelo	Red-Rose petal	12380008	2
Caelo	Red-Rose petal, cut	11304904	5
Caelo	Red-Rose petal, cut	12380008	1
Caelo	Red-Rose petal, cut	12380004	2
Caelo	Red-Rose petal, cut	10306514	1
Caelo	Red-Rose petal, cut	1319002	1
Caelo	Red-Rose petal, cut	11011301	1
Caelo	Red-Rose petal, cut	13194403	4
Caelo	Red-Rose petal, cut	10113211	1
Caelo	Red-Rose petal, cut	11304901	3
Caelo	Red-Rose petal, cut	13194402	1
Caelo	Red-Rose petal, cut	12380001	5
Caelo	Red-Rose petal, cut	11304912	2
Caelo	Red-Rose petal, cut	11304910	1
Caelo	Red-Rose petal, cut	11304906	2
Caelo	Red-Rose petal, cut	12380007-3357319071	1
Caelo	Red-Rose petal, cut	11304908	1
Caelo	Resocrinol	19061305	1
Caelo	Resocrinol	15009511	1
Caelo	Resocrinol	12255614	2
Caelo	Resocrinol	10111210	1
Caelo	Resocrinol	2041512	1
Caelo	Resocrinol	13/18-B09291534	1
Caelo	Resocrinol	11309602	1
Caelo	Resocrinol	5052	1
Caelo	Resocrinol	11309610	4
Caelo	Resocrinol	13/18-B19-291534	1
Caelo	Resocrinol	11d29-n14	2
Caelo	Resocrinol	13293110	1
Caelo	Resocrinol	206370-0003	1
Caelo	Resocrinol	13293103	1
Caelo	Resocrinol	13293115	1
Caelo	Resocrinol	15009507	3
Caelo	Resocrinol	10218809	2
Caelo	Restharrow root, cut	4021406	1
Caelo	Restharrow root, cut	6101201	1
Caelo	Restharrow root, cut	15101313	1
Caelo	Restharrow root, cut	12330005	5
Caelo	Restharrow root, cut	72439069	1
Caelo	Restharrow root, cut	12330001	12
Caelo	Restharrow root, cut	1230004	1
Caelo	Restharrow root, cut	71035467	1
Caelo	Restharrow root, cut	12330003	2

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Supplier	Substance	Batch	Spectra
Caelo	Restharrow root, cut	21011306	1
Caelo	Restharrow root, cut	11247302	2
Caelo	Restharrow root, cut	12330002	1
Caelo	Restharrow root, cut	11103107	1
Caelo	Restharrow root, cut	20111213	1
Caelo	Restharrow root, cut	Int.Ch:212150	1
Caelo	Restharrow root, cut	11103105	2
Caelo	Restharrow root, cut	1233001	1
Caelo	Rhubarb, cut	12211910	1
Caelo	Rhubarb, cut	15101301	1
Caelo	Rhubarb, cut	13235203	2
Caelo	Rhubarb, cut	14155404	1
Caelo	Rhubarb, cut	13235201	2
Caelo	Rhubarb, cut	12211906	1
Caelo	Rhubarb, cut	13235205	1
Caelo	Rhubarb, cut	12211902	4
Caelo	Rhubarb, cut	11057815	1
Caelo	Rhubarb, cut	11057812	1
Caelo	Rhubarb, cut	11057818	3
Caelo	Rhubarb, cut	4612A-02187	1
Caelo	Rhubarb, cut	25111305	1
Caelo	Rhubarb, cut	11321806	1
Caelo	Rhubarb, cut	1811a-02187	1
Caelo	Rhubarb, cut	12211901	1
Caelo	Rhubarb, cut	12211903	3
Caelo	Rhubarb, cut	12211904	2
Caelo	Rhubarb, cut	11057810	2
Caelo	Rhubarb, cut	11057811	1
Caelo	Rhubarb, cut	11265902	1
Caelo	Rhubarb, cut	10071302	1
Caelo	Rhubarb, cut	11057804	1
Caelo	Rhubarb, cut	11057809	1
Caelo	Ribwort plantain, cut	13113001	7
Caelo	Ribwort plantain, cut	13113004	16
Caelo	Ribwort plantain, cut	13113004-3488312172	1
Caelo	Ribwort plantain, cut	31051316	1
Caelo	Ribwort plantain, cut	10315714	3
Caelo	Ribwort plantain, cut	12362903	36
Caelo	Ribwort plantain, cut	4271A100615G	1
Caelo	Ribwort plantain, cut	12362902	4
Caelo	Ribwort plantain, cut	12362901	2
Caelo	Ribwort plantain, cut	12225802	6
Caelo	Ribwort plantain, cut	6111209	1
Caelo	Ribwort plantain, cut	10328702	2
Caelo	Ribwort plantain, cut	25021303	1
Caelo	Ribwort plantain, cut	12225803	3
Caelo	Ribwort plantain, cut	12225804	1
Caelo	Ribwort plantain, cut	12362906	6
Caelo	Ribwort plantain, cut	13113005	2
Caelo	Ribwort plantain, cut	13113006	5
Caelo	Ribwort plantain, cut	13113007	9
Caelo	Ribwort plantain, cut	12225801	1
Caelo	Ribwort plantain, cut	4021411	1
Caelo	Ribwort plantain, cut	8061208	1
Caelo	Ribwort plantain, cut	10315705	1
Caelo	Ribwort plantain, cut	10315711	5
Caelo	Ribwort plantain, cut	10315715	9
Caelo	Ribwort plantain, cut	1213E-03556	1
Caelo	Ribwort plantain, cut	13113008	2
Caelo	Ribwort plantain, cut	15101204	1

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Supplier	Substance	Batch	Spectra
Caelo	Ribwort plantain, cut	20111304	1
Caelo	Ribwort plantain, cut	23121304	1
Caelo	Ribwort plantain, cut	15111302	1
Caelo	Ribwort plantain, cut	17071201	1
Caelo	Ribwort plantain, cut	19121202	1
Caelo	Ribwort plantain, cut	20111208	1
Caelo	Ribwort plantain, cut	15096301	1
Caelo	Ribwort plantain, cut	13113010	2
Caelo	Ribwort plantain, cut	14199202	1
Caelo	Ribwort plantain, cut	13410603	4
Caelo	Ribwort plantain, cut	1313007	1
Caelo	Ribwort plantain, cut	13232401	1
Caelo	Rice starch	13005908	1
Caelo	Rice starch	200613K3	1
Caelo	Rice starch	15118607	1
Caelo	Rice starch	10177507	1
Caelo	Rice starch	11186026	2
Caelo	Rice starch	12068520	1
Caelo	Rice starch	11186027	1
Caelo	Rice starch	10177515	1
Caelo	Rice starch	12166007	2
Caelo	Rice starch	14011621	2
Caelo	Rice starch	13089507	1
Caelo	Rice starch	13305103	3
Caelo	Rice starch	P134/14	1
Caelo	Rice starch	14011612	2
Caelo	Rice starch	13305108	1
Caelo	Rice starch	13005905	2
Caelo	Rice starch	13154904	3
Caelo	Rice starch	10061134	2
Caelo	Rice starch	12214303	1
Caelo	Rice starch	16101401	1
Caelo	Rice starch	11132406	1
Caelo	Rice starch	12238714	2
Caelo	Rice starch	12238719	1
Caelo	Rice starch	15119001	1
Caelo	Rice starch	12238704	1
Caelo	Rice starch	13154914	1
Caelo	Rice starch	14025710	1
Caelo	Rice starch	9352108	1
Caelo	Rice starch	2212M-01115	1
Caelo	Rice starch	14011630	2
Caelo	Robert herb, cut	11147804	1
Caelo	Robert herb, cut	11147807	5
Caelo	Robert herb, cut	12319305	1
Caelo	Robert herb, cut	11147810	4
Caelo	Robert herb, cut	8121203	1
Caelo	Robert herb, cut	12319302	2
Caelo	Robert herb, cut	11147812	3
Caelo	Robert herb, cut	12319301	1
Caelo	Robert herb, cut	12319304	2
Caelo	Rose hips peel, cut	13317805	1
Caelo	Rose hips peel, cut	14050704	1
Caelo	Rose hips peel, cut	15061210	1
Caelo	Rose hips peel, cut	12064207	1
Caelo	Rose hips peel, cut	12357505	7
Caelo	Rose hips peel, cut	5091301	1
Caelo	Rose hips peel, cut	7031305	1
Caelo	Rose hips peel, cut	14050705	1
Caelo	Rose hips peel, cut	10157312	2

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Supplier	Substance	Batch	Spectra
Caelo	Rose hips peel, cut	2851A120904konv.	1
Caelo	Rose hips peel, cut	9121301	1
Caelo	Rose hips peel, cut	1021305	1
Caelo	Rose hips peel, cut	10101206	1
Caelo	Rose hips peel, cut	12288301	1
Caelo	Rose hips peel, cut	11301403	3
Caelo	Rose hips peel, cut	12357502	2
Caelo	Rose hips peel, cut	11301404	1
Caelo	Rose hips peel, cut	12357504	1
Caelo	Rose hips peel, cut	12288302	4
Caelo	Rose hips peel, cut	11301407	7
Caelo	Rose hips peel, cut	13317801	1
Caelo	Rose hips with peel, ...	19111204	1
Caelo	Rose hips with peel, ...	13048703	1
Caelo	Rose hips with peel, ...	12064202	2
Caelo	Rose hips with peel, ...	13048704	3
Caelo	Rose hips with peel, ...	12029008	1
Caelo	Rose hips with peel, ...	13048703	1
Caelo	Rose hips with peel, ...	12064213	1
Caelo	Rose hips with peel, ...	16111201	1
Caelo	Rose hips with peel, ...	114Q-01542	1
Caelo	Rose hips with peel, ...	307211542	1
Caelo	Rose hips with peel, ...	12064201	1
Caelo	Rose hips with peel, ...	12064207	1
Caelo	Rose hips with peel, ...	12064202	2
Caelo	Rose hips with peel, ...	12064206	1
Caelo	Rose hips with peel, ...	12064207	3
Caelo	Rose hips with peel, ...	12064212	2
Caelo	Rose hips with peel, ...	13048701	2
Caelo	Rose hips with peel, ...	12064213	1
Caelo	Rose hips with peel, ...	12064212	2
Caelo	Rose hips with peel, ...	12064210	3
Caelo	Rose hips with peel, ...	12064209	3
Caelo	Rose hips with peel, ...	nachprüfung	2
Caelo	Rose hips with peel, ...	1512211542	1
Caelo	Rose hips with peel, ...	13048704	2
Caelo	Rose hips with peel, ...	2103311542	1
Caelo	Rose hips with peel, ...	2402211542	1
Caelo	Rose hips with peel, ...	12064206	1
Caelo	Rose mallow flower, cut	13040402	2
Caelo	Rose mallow flower, cut	13040401	3
Caelo	Rose mallow flower, cut	10244507	1
Caelo	Rose mallow flower, cut	9267604	1
Caelo	Roselle	11036501	1
Caelo	Roselle	11036509	1
Caelo	Roselle	7121301	1
Caelo	Roselle	12267501	3
Caelo	Roselle	11036512	1
Caelo	Roselle	12267502	4
Caelo	Roselle	11036504	1
Caelo	Roselle	12267507	2
Caelo	Roselle	1431B131015	1
Caelo	Roselle	12267503	2
Caelo	Roselle	11036503	1
Caelo	Roselle	11036511	1
Caelo	Roselle	12267504	1
Caelo	Roselle	12007303	1
Caelo	Roselle	12007306	1
Caelo	Roselle	12267502	3
Caelo	Roselle	12267504	3

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Supplier	Substance	Batch	Spectra
Caelo	Roselle	12267504-3428311150	1
Caelo	Roselle	5212U-01460	1
Caelo	Rue herb, cut	12148803	2
Caelo	Rue herb, cut	12148806	1
Caelo	Rue herb, cut	9336802	1
Caelo	Rue herb, cut	11371803	1
Caelo	Rue herb, cut		1
Caelo	Rue herb, cut	12148801	1
Caelo	Rue herb, cut	12148804	1
Caelo	Saccharin sodium	13205408	1
Caelo	Saccharin sodium	15084101	2
Caelo	Saccharin sodium	15087713	2
Caelo	Saccharin sodium	14029705	5
Caelo	Saccharin sodium	11172805	3
Caelo	Saccharin sodium	21092015A	1
Caelo	Saccharin sodium	14029707	2
Caelo	Saccharin sodium	12139803	1
Caelo	Saccharin sodium	15087704	4
Caelo	Saccharin sodium	11025610	1
Caelo	Saccharin sodium	15087703	4
Caelo	Saccharin sodium	12C08-N08	1
Caelo	Saccharin sodium	82885059	1
Caelo	Saccharin sodium	12362607	3
Caelo	Saccharin sodium	1236207	1
Caelo	Saccharin sodium	10170504	1
Caelo	Saccharin sodium	14213405	3
Caelo	Saccharin sodium	14213402	2
Caelo	Saccharin sodium	13205414	2
Caelo	Saccharin sodium	1402970	1
Caelo	Saccharin sodium	11025605	1
Caelo	Saccharin sodium	3131-02206	1
Caelo	Saccharin sodium	14029710	1
Caelo	Saccharin sodium	11172814	1
Caelo	Saccharin sodium	13205411	1
Caelo	Saffron filaments	12108311	2
Caelo	Saffron filaments	12108308	2
Caelo	Saffron filaments	11071310	1
Caelo	Saffron filaments	10184822	1
Caelo	Saffron filaments	10184811	2
Caelo	Saffron filaments	21011403	1
Caelo	Saffron filaments	15101305	1
Caelo	Sage leaf, cut	12370014-3541411092	1
Caelo	Sage leaf, cut	12370004	2
Caelo	Sage leaf, cut	12370014-3477312161	1
Caelo	Sage leaf, cut	19071205	1
Caelo	Sage leaf, cut	12370006	3
Caelo	Sage leaf, cut	12370013	4
Caelo	Sage leaf, cut	22061201	1
Caelo	Sage leaf, cut	12370014	7
Caelo	Sage leaf, cut	22081203	1
Caelo	Sage leaf, cut	12370003	7
Caelo	Sage leaf, cut	12370003-3359319071	1
Caelo	Sage leaf, cut	12370009	9
Caelo	Sage leaf, cut	12370011	11
Caelo	Sage leaf, cut	1209211513	1
Caelo	Sage leaf, cut	312010	1
Caelo	Sage leaf, cut	31081202	1
Caelo	Sage leaf, cut	31051315	1
Caelo	Sage leaf, cut	12112101	1
Caelo	Sage leaf, cut	12370001	18

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Supplier	Substance	Batch	Spectra
Caelo	Sage leaf, cut	17061302	1
Caelo	Sage leaf, cut	15121201	1
Caelo	Sage leaf, cut	13266626	1
Caelo	Sage leaf, cut	23101203	1
Caelo	Sage leaf, cut	14111315	1
Caelo	Sage leaf, cut	15041304	1
Caelo	Sage leaf, cut	2301C130326	1
Caelo	Sage leaf, cut	2301A140205	1
Caelo	Sage leaf, cut	22111203	1
Caelo	Sage leaf, cut	2301A110420	3
Caelo	Sage leaf, cut	24091204	1
Caelo	Sage leaf, cut	12370015	2
Caelo	Sage leaf, cut	123770010	1
Caelo	Sage leaf, cut	12380009	1
Caelo	Sage leaf, cut	13011405	1
Caelo	Sage leaf, cut	1513E-01513	1
Caelo	Sage leaf, cut	13266603	2
Caelo	Sage leaf, cut	13266605	1
Caelo	Sage leaf, cut	26081301	1
Caelo	Sage leaf, cut	25061302	1
Caelo	Sage leaf, cut	11056125	3
Caelo	Sage leaf, cut	111012004	1
Caelo	Sage leaf, cut	20121201	1
Caelo	Sage leaf, cut	1104211513	1
Caelo	Sage leaf, cut	11056104	1
Caelo	Sage leaf, cut	11056124	1
Caelo	Sage leaf, cut	11056123	6
Caelo	Sage leaf, cut	9121302	1
Caelo	Sage leaf, cut	11056108	2
Caelo	Sage leaf, cut	8011420	1
Caelo	Sage leaf, cut	103311513	1
Caelo	Sage leaf, cut	410211513	1
Caelo	Sage leaf, cut	11347503	1
Caelo	Sage leaf, cut	11347512	1
Caelo	Sage leaf, cut	1237003	1
Caelo	Sage leaf, cut	11347513	2
Caelo	Sage leaf, cut	11347510	1
Caelo	Sage leaf, cut	11347509	7
Caelo	Sage leaf, cut	12021302	1
Caelo	Sage leaf, cut	11347508	8
Caelo	Salicylic acid	15211807	2
Caelo	Salicylic acid	16010903	4
Caelo	Salicylic acid	16010904	1
Caelo	Salicylic acid	11311910	2
Caelo	Salicylic acid	12036315	1
Caelo	Salicylic acid	16050004	2
Caelo	Salicylic acid	12036223	12
Caelo	Salicylic acid	16010905	1
Caelo	Salicylic acid	11311905	1
Caelo	Salicylic acid	1234709	2
Caelo	Salicylic acid	14336919	2
Caelo	Salicylic acid	12036209	5
Caelo	Salicylic acid	12036202	6
Caelo	Salicylic acid	1131922	1
Caelo	Salicylic acid	15081601	1
Caelo	Salicylic acid	11311922	15
Caelo	Salicylic acid	11311916	3
Caelo	Salicylic acid		3
Caelo	Salicylic acid	12036217	2
Caelo	Salicylic acid	23071510	1

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Supplier	Substance	Batch	Spectra
Caelo	Salicylic acid	10291804	2
Caelo	Salicylic acid	12134712	5
Caelo	Salicylic acid	12134702	10
Caelo	Salicylic acid	1738980	1
Caelo	Salicylic acid	11197106	1
Caelo	Salicylic acid	10355912	1
Caelo	Salicylic acid	8101204	1
Caelo	Salicylic acid	10291808	1
Caelo	Salicylic acid	10291824	1
Caelo	Salicylic acid	10355911	3
Caelo	Salicylic acid	10291803	1
Caelo	Salicylic acid	9220715	1
Caelo	Salicylic acid	9091301	1
Caelo	Salicylic acid	1101301	1
Caelo	Salicylic acid	1234	1
Caelo	Salicylic acid	16050005	1
Caelo	Salicylic acid	12323402	2
Caelo	Salicylic acid	12323401	2
Caelo	Salicylic acid	123134712	1
Caelo	Salicylic acid	11311904	5
Caelo	Salicylic acid	12134713	1
Caelo	Salicylic acid	16E02-B09-325355	1
Caelo	Salicylic acid	16050012	1
Caelo	Salicylic acid	11197118	1
Caelo	Salicylic acid	11197121	3
Caelo	Salicylic acid	16050011	1
Caelo	Salicylic acid	18121412	1
Caelo	Salicylic acid	13344003	10
Caelo	Salicylic acid	3613A-01045	1
Caelo	Salicylic acid	12374213	8
Caelo	Salicylic acid	12323403	3
Caelo	Salicylic acid	12134721	1
Caelo	Salicylic acid	4010Q-01045	1
Caelo	Salicylic acid	13344014	6
Caelo	Salicylic acid	133454002	1
Caelo	Salicylic acid	20151112-4	1
Caelo	Salicylic acid	20270312-2	1
Caelo	Salicylic acid	1334403	1
Caelo	Salicylic acid	25041304	1
Caelo	Salicylic acid	3111J01045	1
Caelo	Salicylic acid	12134719	2
Caelo	Salicylic acid	SSgemösert1	1
Caelo	Salicylic acid	Salicylsäure2	1
Caelo	Salicylic acid	Salicylsäurere	1
Caelo	Salicylic acid	Ch12134702	1
Caelo	Salicylic acid	A-100513-1	1
Caelo	Salicylic acid	82732109	1
Caelo	Salicylic acid	SSgemösert2	1
Caelo	Salicylic acid	12134715	7
Caelo	Salicylic acid	12134711	7
Caelo	Salicylic acid	7466	1
Caelo	Salicylic acid	12134707	9
Caelo	Salicylic acid	12036226	11
Caelo	Salicylic acid	10355907	1
Caelo	Salicylic acid	7071403	1
Caelo	Salicylic acid	20111306	1
Caelo	Salicylic acid	15211806	2
Caelo	Salicylic acid	15084404	3
Caelo	Salicylic acid	15084401	2
Caelo	Salicylic acid	14336912	3

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Supplier	Substance	Batch	Spectra
Caelo	Salicylic acid	14336908	1
Caelo	Salicylic acid	14336905	4
Caelo	Salicylic acid	15211810	2
Caelo	Salicylic acid	1714Q1045	1
Caelo	Salicylic acid	16010906	6
Caelo	Salicylic acid	15217308	4
Caelo	Salicylic acid	15217305	2
Caelo	Salicylic acid	15217304	4
Caelo	Salicylic acid	15217303	7
Caelo	Salicylic acid	14336904	1
Caelo	Salicylic acid	13B14-No1	2
Caelo	Salicylic acid	14076206	5
Caelo	Salicylic acid	14076203	9
Caelo	Salicylic acid	14076201	5
Caelo	Salicylic acid	140602701	1
Caelo	Salicylic acid	1913Q-01045	1
Caelo	Salicylic acid	14076211	1
Caelo	Salicylic acid	1430802	1
Caelo	Salicylic acid	14300806	1
Caelo	Salicylic acid	14300805	6
Caelo	Salicylic acid	14300804	6
Caelo	Salicylic acid	14300801	6
Caelo	Salicylic acid	12374204	2
Caelo	Salicylic acid	14076212	2
Caelo	Salicylic acid	12104709	1
Caelo	Salicylic acid	15084403	6
Caelo	Salicylic acid	11311923	4
Caelo	Salicylic acid	12036211	5
Caelo	Salicylic acid	14336920	6
Caelo	Salicylic acid	12036216	6
Caelo	Salicylic acid	12036225	4
Caelo	Salicylic acid	14336911	11
Caelo	Salicylic acid	14336907	9
Caelo	Salicylic acid	11311918	1
Caelo	Salicylic acid	9220716	1
Caelo	Salicylic acid	16010913	1
Caelo	Salicylic acid	11197117	2
Caelo	Salicylic acid	16010907	1
Caelo	Salicylic acid	3601413011-12374211	1
Caelo	Salicylic acid	15217302	9
Caelo	Salicylic acid	15217301	7
Caelo	Salicylic acid	15211809	8
Caelo	Salicylic acid	15211808	7
Caelo	Salicylic acid	14300809	9
Caelo	Salicylic acid	13344013	7
Caelo	Salicylic acid	13344002	14
Caelo	Salicylic acid	12134714	17
Caelo	Salicylic acid	12134717	11
Caelo	Salicylic acid	12374212	2
Caelo	Salicylic acid	12374211	15
Caelo	Salicylic acid	12134720	8
Caelo	Salicylic acid	11197103	2
Caelo	Salicylic acid	12374207-3454311172	1
Caelo	Salicylic acid	12134710	3
Caelo	Salicylic acid	14300802	6
Caelo	Salicylic acid	12374207	9
Caelo	Salicylic acid	14076207	11
Caelo	Salicylic acid	12134709	32
Caelo	Salicylic acid	14076204	8
Caelo	Salicylic acid	14076202	3

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Supplier	Substance	Batch	Spectra
Caelo	Salicylic acid	13344020	8
Caelo	Salicylic acid	13344018	14
Caelo	Sarsaparilla root, cut	13079201	1
Caelo	Savory, rubbed	13172404	2
Caelo	Savory, rubbed	12177208	2
Caelo	Savory, rubbed	12177207	1
Caelo	Savory, rubbed	12200801	1
Caelo	Savory, rubbed	12177203	7
Caelo	Savory, rubbed	12177201	1
Caelo	Selenium yeast	15276208	1
Caelo	Selenium yeast	13347911	1
Caelo	Selenium yeast	13347906	1
Caelo	Selenium yeast	12165708	1
Caelo	Senna leaf, cut	11277316	5
Caelo	Senna leaf, cut	11277307	1
Caelo	Senna leaf, cut	514R1514	1
Caelo	Senna leaf, cut	5091306	1
Caelo	Senna leaf, cut	103311514	2
Caelo	Senna leaf, cut	15101303	1
Caelo	Senna leaf, cut	18071201	1
Caelo	Senna leaf, cut	13136718	1
Caelo	Senna leaf, cut	11277304	5
Caelo	Senna leaf, cut	4113Q1514	1
Caelo	Senna leaf, cut	3813E1514	1
Caelo	Senna leaf, cut	3212E-01514	1
Caelo	Senna leaf, cut	313082	1
Caelo	Senna leaf, cut	2909211514	1
Caelo	Senna leaf, cut	13136724	2
Caelo	Senna leaf, cut	806211514	1
Caelo	Senna leaf, cut	1803311514	1
Caelo	Senna leaf, cut	12273105	7
Caelo	Senna leaf, cut	21011401	1
Caelo	Senna leaf, cut	2231B13014	1
Caelo	Senna leaf, cut	2413Q01514	1
Caelo	Senna leaf, cut	711211514	1
Caelo	Senna leaf, cut	12276111	1
Caelo	Senna leaf, cut	12273120	1
Caelo	Senna leaf, cut	12273119	4
Caelo	Senna leaf, cut	12273118	6
Caelo	Senna leaf, cut	12273115	9
Caelo	Senna leaf, cut	12273113	3
Caelo	Senna leaf, cut	1273103	1
Caelo	Senna leaf, cut	1316703	2
Caelo	Senna leaf, cut	14306310	1
Caelo	Senna leaf, cut	13136709	1
Caelo	Senna leaf, cut	13136705	2
Caelo	Senna leaf, cut	13136703	3
Caelo	Senna leaf, cut	131316701	1
Caelo	Senna leaf, cut	14306311	2
Caelo	Senna leaf, cut	12115501	4
Caelo	Senna leaf, cut	11277312	1
Caelo	Senna leaf, cut	11277301	1
Caelo	Senna leaf, cut	11041009	1
Caelo	Senna leaf, cut	10126502	1
Caelo	Senna leaf, cut	9071302	1
Caelo	Senna leaf, cut	12115502	1
Caelo	Senna leaf, cut	12273107	8
Caelo	Senna leaf, cut	12273106	3
Caelo	Senna leaf, cut	12273104	1
Caelo	Senna leaf, cut	12273101	6

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Supplier	Substance	Batch	Spectra
Caelo	Senna leaf, cut	12115503	7
Caelo	Senna leaf, cut	14306324	1
Caelo	Senna leaf, cut	12273111	8
Caelo	Senna leaf, cut	13136705-3489312103	1
Caelo	Senna leaf, cut	13136704	15
Caelo	Senna leaf, cut	12273116	15
Caelo	Senna leaf, cut	12273114	2
Caelo	Senna leaf, cut	5013U01514	1
Caelo	Senna pods, tinnevelly	11003009	2
Caelo	Senna pods, tinnevelly	12267602	1
Caelo	Senna pods, tinnevelly	12267608	1
Caelo	Senna pods, tinnevelly	12267609	4
Caelo	Senna pods, tinnevelly	12267606	1
Caelo	Senna pods, tinnevelly	12267610	1
Caelo	Senna pods, tinnevelly	12267201	1
Caelo	Senna pods, tinnevelly	22061202	1
Caelo	Senna pods, tinnevelly	11003004	1
Caelo	Senna pods, tinnevelly	122676707	1
Caelo	Senna pods, tinnevelly	11003013	1
Caelo	Shepherd's purse, cut	12354207	2
Caelo	Shepherd's purse, cut	12354205	6
Caelo	Shepherd's purse, cut	12354209	1
Caelo	Shepherd's purse, cut	11036406	8
Caelo	Shepherd's purse, cut	12354201	14
Caelo	Shepherd's purse, cut	13344203	1
Caelo	Shepherd's purse, cut	11328208	6
Caelo	Shepherd's purse, cut	11036404	2
Caelo	Shepherd's purse, cut	14061201	1
Caelo	Shepherd's purse, cut	11328201	8
Caelo	Shepherd's purse, cut	15101202	1
Caelo	Shepherd's purse, cut	12354204	18
Caelo	Shepherd's purse, cut	11328207	10
Caelo	Shepherd's purse, cut	11036401	1
Caelo	Shepherd's purse, cut	4411E-01625	1
Caelo	Shepherd's purse, cut	12354202	2
Caelo	Shepherd's purse, cut	10061301	1
Caelo	Shepherd's purse, cut	11328204	3
Caelo	Shepherd's purse, cut	12354203	10
Caelo	Shepherd's purse, cut	11328209	6
Caelo	Shepherd's purse, cut	11328206	2
Caelo	Shepherd's purse, cut	3121301	1
Caelo	Shepherd's purse, cut	11328203	7
Caelo	Shepherd's purse, cut	11328205	2
Caelo	Shepherd's purse, cut	12354206	4
Caelo	Shepherd's purse, cut	11328202	1
Caelo	Shepherd's purse, cut	12354503	1
Caelo	Shepherd's purse, cut	1132820111-14	1
Caelo	Shepherd's purse, cut	11091202	1
Caelo	Shepherd's purse, cut	12254202	1
Caelo	Shepherd's purse, cut	12354203-3396310111	1
Caelo	Sildenafil citrate	14074710	1
Caelo	Sildenafil citrate	15097307	1
Caelo	Sildenafil citrate	14074714	5
Caelo	Sildenafil citrate	14074715	3
Caelo	Sildenafil citrate	14074716	1
Caelo	Sildenafil citrate	14074709	1
Caelo	Sildenafil citrate	15097306	1
Caelo	Sildenafil citrate	15097312	2
Caelo	Sildenafil citrate	15097303	1
Caelo	Sildenafil citrate	2101403	1

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Supplier	Substance	Batch	Spectra
Caelo	Sildenafil citrate	14074707	1
Caelo	Sildenafil citrate	16049802	3
Caelo	Sildenafil citrate	15097301	1
Caelo	Sildenafil citrate	1407474	1
Caelo	Silverweed, cut	11326102	1
Caelo	Silverweed, cut	9362606	1
Caelo	Silverweed, cut	11016407	2
Caelo	Silverweed, cut	11328110	1
Caelo	Silverweed, cut	11016409	3
Caelo	Silverweed, cut	20081202	1
Caelo	Silverweed, cut	11328112	1
Caelo	Silverweed, cut	11016401	1
Caelo	Silverweed, cut	8111204	1
Caelo	Silverweed, cut	13410801	1
Caelo	Silverweed, cut	9362614	1
Caelo	Silverweed, cut	11016405	1
Caelo	Silverweed, cut	11016404	1
Caelo	Silverweed, cut	5012E-01619	1
Caelo	Silverweed, cut	11328103	5
Caelo	Silverweed, cut	11328104	1
Caelo	Silverweed, cut	11328105	7
Caelo	Silverweed, cut	11016404	1
Caelo	Silverweed, cut	11328109	15
Caelo	Sodium acetate trihyd...	13411404	1
Caelo	Sodium acetate trihyd...	10353017	1
Caelo	Sodium acetate trihyd...	12027211	1
Caelo	Sodium acetate trihyd...	15118701	1
Caelo	Sodium acetate trihyd...	12027217	1
Caelo	Sodium acetate trihyd...	15145204	4
Caelo	Sodium acetate trihyd...	12027228	1
Caelo	Sodium acetate trihyd...	12316506	2
Caelo	Sodium acetate trihyd...	12027202	3
Caelo	Sodium acetate trihyd...	13411418	1
Caelo	Sodium acetate trihyd...	12027203	1
Caelo	Sodium acetate trihyd...	13411418	1
Caelo	Sodium ascorbate	27091302	1
Caelo	Sodium ascorbate	15180505	1
Caelo	Sodium ascorbate	L1210026-01	1
Caelo	Sodium ascorbate	14079404	1
Caelo	Sodium benzoate	11346113	1
Caelo	Sodium benzoate	11267007	2
Caelo	Sodium benzoate	24021501	1
Caelo	Sodium benzoate	4315A-01891	1
Caelo	Sodium benzoate	2215Q-01891	1
Caelo	Sodium benzoate	15363409	2
Caelo	Sodium benzoate	15044104	4
Caelo	Sodium benzoate	15044102	5
Caelo	Sodium benzoate	15135001	3
Caelo	Sodium benzoate	13178605	1
Caelo	Sodium benzoate	15363424	1
Caelo	Sodium benzoate	14166714	1
Caelo	Sodium benzoate	15363401	4
Caelo	Sodium benzoate	13178627	1
Caelo	Sodium benzoate	15044104	1
Caelo	Sodium benzoate	17061306	1
Caelo	Sodium benzoate	5211I-01891	1
Caelo	Sodium benzoate	12158418	1
Caelo	Sodium benzoate	12158414	1
Caelo	Sodium benzoate	1209018-0	1
Caelo	Sodium benzoate	12158401	1

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Supplier	Substance	Batch	Spectra
Caelo	Sodium benzoate	12158424	1
Caelo	Sodium benzoate	11267013	1
Caelo	Sodium benzoate	12158439	3
Caelo	Sodium benzoate	13178603	2
Caelo	Sodium benzoate	13178647	2
Caelo	Sodium benzoate	13178603	1
Caelo	Sodium benzoate	13178613	1
Caelo	Sodium benzoate	13178619	2
Caelo	Sodium benzoate	13178635	3
Caelo	Sodium benzoate	13178643	1
Caelo	Sodium benzoate	12158419	6
Caelo	Sodium carbonate deca...	11254706	1
Caelo	Sodium carbonate deca...	80136428	1
Caelo	Sodium carbonate deca...	11254708	2
Caelo	Sodium carbonate deca...	12239806	1
Caelo	Sodium carbonate deca...	80136179	1
Caelo	Sodium carbonate deca...	12239810	3
Caelo	Sodium carbonate deca...	13036902	2
Caelo	Sodium carbonate deca...	13036907	1
Caelo	Sodium carbonate deca...	13036909	1
Caelo	Sodium carbonate deca...	13036910	1
Caelo	Sodium citrate	12045007	1
Caelo	Sodium citrate	13089335	6
Caelo	Sodium citrate	13089314	1
Caelo	Sodium citrate	13089325	3
Caelo	Sodium citrate	13089313	3
Caelo	Sodium citrate	12045006	1
Caelo	Sodium citrate	13089326	1
Caelo	Sodium citrate	13089331	8
Caelo	Sodium citrate	2413A-01900	1
Caelo	Sodium citrate	12897	1
Caelo	Sodium citrate	1256825	1
Caelo	Sodium citrate	12045012	2
Caelo	Sodium citrate	459842	1
Caelo	Sodium citrate	12045026	11
Caelo	Sodium citrate	713A-01900	1
Caelo	Sodium citrate	Test	1
Caelo	Sodium citrate	TestmessungnachRep	1
Caelo	Sodium citrate	12045021	1
Caelo	Sodium citrate	70214PJK01	1
Caelo	Sodium citrate	12045024	4
Caelo	Sodium citrate	12045016	5
Caelo	Sodium citrate	12045017	2
Caelo	Sodium citrate	13089319	1
Caelo	Sodium citrate	12045019	5
Caelo	Sodium citrate	123Test	2
Caelo	Sodium citrate	13089309	4
Caelo	Sodium citrate	13089306	1
Caelo	Sodium citrate	125874566	1
Caelo	Sodium citrate	1204521	1
Caelo	Sodium citrate	12045002	1
Caelo	Sodium citrate	12045001	1
Caelo	Sodium citrate	14112520	1
Caelo	Sodium citrate	14369402	1
Caelo	Sodium citrate	14112517	1
Caelo	Sodium citrate	14369407	1
Caelo	Sodium citrate	14369411	2
Caelo	Sodium citrate	14112517	3
Caelo	Sodium citrate	14112502	12
Caelo	Sodium citrate	12045005	3

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Supplier	Substance	Batch	Spectra
Caelo	Sodium citrate	1389318	1
Caelo	Sodium citrate	12045020	3
Caelo	Sodium citrate	13089305	1
Caelo	Sodium citrate	14112517	3
Caelo	Sodium citrate	12045016-3451311172	1
Caelo	Sodium citrate	14112518	1
Caelo	Sodium citrate	12045004	4
Caelo	Sodium citrate	14369415	1
Caelo	Sodium citrate	14112504	2
Caelo	Sodium citrate	14112502	3
Caelo	Sodium citrate	131103501	1
Caelo	Sodium citrate	13/24-B13-287921	2
Caelo	Sodium citrate	13089318	1
Caelo	Sodium citrate	17081501	1
Caelo	Sodium citrate	220914PML01	1
Caelo	Sodium citrate	128896	1
Caelo	Sodium citrate	154662	1
Caelo	Sodium citrate	13089319	3
Caelo	Sodium citrate	14369424	2
Caelo	Sodium citrate	14112511	1
Caelo	Sodium citrate	14838	1
Caelo	Sodium citrate	11304312	2
Caelo	Sodium citrate	11304305	1
Caelo	Sodium citrate	11121303	1
Caelo	Sodium citrate	1111111	1
Caelo	Sodium citrate	1506041-01	1
Caelo	Sodium citrate	121103001	1
Caelo	Sodium citrate	13089329	1
Caelo	Sodium citrate	21121203	1
Caelo	Sodium citrate	16095702	1
Caelo	Sodium citrate	22131-01900	1
Caelo	Sodium citrate	25383143	1
Caelo	Sodium citrate	4111Q-01900	1
Caelo	Sodium citrate	11219012	1
Caelo	Sodium citrate	50815PMS01	1
Caelo	Sodium citrate	13089304	3
Caelo	Sodium citrate	12345678	1
Caelo	Sodium citrate	14369406	1
Caelo	Sodium citrate	14369407	19
Caelo	Sodium citrate	11081514	1
Caelo	Sodium citrate	14369408	1
Caelo	Sodium citrate	14369413	8
Caelo	Sodium citrate	14369423	3
Caelo	Sodium citrate	1308908	1
Caelo	Sodium citrate	11219012	3
Caelo	Sodium citrate	8/AKD41	1
Caelo	Sodium citrate	123456789	1
Caelo	Sodium citrate	1234	4
Caelo	Sodium citrate	123658	1
Caelo	Sodium citrate	123Test	1
Caelo	Sodium citrate	K-280313-1	1
Caelo	Sodium citrate	12045011	5
Caelo	Sodium citrate	12045008	6
Caelo	Sodium citrate	49131-01900	1
Caelo	Sodium citrate	11304311	5
Caelo	Sodium citrate	11219012	1
Caelo	Sodium citrate	1123588946	1
Caelo	Sodium citrate	1151351	2
Caelo	Sodium citrate	1161207	1
Caelo	Sodium citrate		12

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Supplier	Substance	Batch	Spectra
Caelo	Sodium citrate	123456	1
Caelo	Sodium citrate	123test	2
Caelo	Sodium citrate	4351235	1
Caelo	Sodium citrate	14112518	1
Caelo	Sodium citrate	1107011-02	4
Caelo	Sodium citrate	13089317	5
Caelo	Sodium cromoglicate	15224404	1
Caelo	Sodium cromoglicate	5113A-02831	1
Caelo	Sodium cromoglicate	12301101	2
Caelo	Sodium cromoglicate	12301102	1
Caelo	Sodium cyclamate	12256807	1
Caelo	Sodium cyclamate	12105613	1
Caelo	Sodium cyclamate	13359807	1
Caelo	Sodium cyclamate	12105618	2
Caelo	Sodium cyclamate	11204205	1
Caelo	Sodium cyclamate	10380915	2
Caelo	Sodium cyclamate	15201601	1
Caelo	Sodium dihydrogen pho...	15122808	1
Caelo	Sodium dihydrogen pho...	12198506	1
Caelo	Sodium dihydrogen pho...	13D08-N25	1
Caelo	Sodium dihydrogen pho...	11277504	1
Caelo	Sodium dihydrogen pho...	12198517	3
Caelo	Sodium dihydrogen pho...	12198510	2
Caelo	Sodium dodecyl sulfate	13099011	2
Caelo	Sodium dodecyl sulfate	13411305	3
Caelo	Sodium dodecyl sulfate	14127406	1
Caelo	Sodium dodecyl sulfate	13411304	1
Caelo	Sodium dodecyl sulfate	12153004	1
Caelo	Sodium dodecyl sulfate	13099008	1
Caelo	Sodium dodecyl sulfate	12153003	1
Caelo	Sodium dodecyl sulfate	13099006	3
Caelo	Sodium dodecyl sulfate	14283904	3
Caelo	Sodium dodecyl sulfate	14224206	1
Caelo	Sodium dodecyl sulfate	13014606	1
Caelo	Sodium dodecyl sulfate	15095403	1
Caelo	Sodium dodecyl sulfate	15344511	1
Caelo	Sodium dodecyl sulfate	14127411	1
Caelo	Sodium dodecyl sulfate	12153010	3
Caelo	Sodium dodecyl sulfate	12153019	1
Caelo	Sodium dodecyl sulfate	13014604	2
Caelo	Sodium dodecyl sulfate	26031508	1
Caelo	Sodium dodecyl sulfate	15344510	1
Caelo	Sodium dodecyl sulfate	15119907	1
Caelo	Sodium dodecyl sulfate	13411302	1
Caelo	Sodium dodecyl sulfate	15344503	2
Caelo	Sodium dodecyl sulfate	11220208	1
Caelo	Sodium dodecyl sulfate	15095404	1
Caelo	Sodium edetate	15427717	2
Caelo	Sodium edetate	15427703	2
Caelo	Sodium edetate	15116603	7
Caelo	Sodium edetate	13/23-N03-3472312131	1
Caelo	Sodium edetate	13142004	4
Caelo	Sodium edetate	12181711	14
Caelo	Sodium edetate	13142002	3
Caelo	Sodium edetate	14270505	3
Caelo	Sodium edetate	13142015	3
Caelo	Sodium edetate	14270506	3
Caelo	Sodium edetate	15427714	2
Caelo	Sodium edetate	13395002	3
Caelo	Sodium edetate	15116602	3

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Supplier	Substance	Batch	Spectra
Caelo	Sodium edetate	13K19-B02-290051	2
Caelo	Sodium edetate	13E15-N05	1
Caelo	Sodium edetate	15035603	1
Caelo	Sodium edetate	15035604	4
Caelo	Sodium edetate	13142008	6
Caelo	Sodium edetate	3211I-01925	1
Caelo	Sodium edetate	12181714	3
Caelo	Sodium edetate	13142009	3
Caelo	Sodium edetate	13395007	2
Caelo	Sodium edetate	13395007	2
Caelo	Sodium edetate	13142015	3
Caelo	Sodium edetate	11074611	1
Caelo	Sodium edetate	12181704	1
Caelo	Sodium edetate	15427705	1
Caelo	Sodium edetate	12G25-N12	8
Caelo	Sodium edetate	2913M1925	1
Caelo	Sodium edetate	12181703	3
Caelo	Sodium edetate	12181706	2
Caelo	Sodium edetate	13142002	1
Caelo	Sodium edetate	13142008	2
Caelo	Sodium edetate	13142009	4
Caelo	Sodium edetate	1427006	1
Caelo	Sodium edetate	14270505	1
Caelo	Sodium edetate	13142010	3
Caelo	Sodium edetate	12254507	3
Caelo	Sodium edetate	13142014	1
Caelo	Sodium edetate	11074703	1
Caelo	Sodium edetate	2101414	1
Caelo	Sodium edetate	12181702	1
Caelo	Sodium edetate	92159379	1
Caelo	Sodium hydrogen carbo...	13186711	1
Caelo	Sodium hydrogen carbo...	12356407	2
Caelo	Sodium hydrogen carbo...	13234007	4
Caelo	Sodium hydrogen carbo...	12356403	1
Caelo	Sodium hydrogen carbo...	13390505	1
Caelo	Sodium hydrogen carbo...	13060103	12
Caelo	Sodium hydrogen carbo...	11304809	2
Caelo	Sodium hydrogen carbo...	12132213	1
Caelo	Sodium hydrogen carbo...	12324703	1
Caelo	Sodium hydrogen carbo...	13060120	7
Caelo	Sodium hydrogen carbo...	13186721	1
Caelo	Sodium hydrogen carbo...	1234702	2
Caelo	Sodium hydrogen carbo...	12324702	7
Caelo	Sodium hydrogen carbo...	130701701	1
Caelo	Sodium hydrogen carbo...	13234202	3
Caelo	Sodium hydrogen carbo...	13234205	1
Caelo	Sodium hydrogen carbo...	12132503	1
Caelo	Sodium hydrogen carbo...	13186705	3
Caelo	Sodium hydrogen carbo...	1307017-02	1
Caelo	Sodium hydrogen carbo...	13186704	1
Caelo	Sodium hydrogen carbo...	13186706	1
Caelo	Sodium hydrogen carbo...	13234004	2
Caelo	Sodium hydrogen carbo...	13234005	4
Caelo	Sodium hydrogen carbo...	8101203	1
Caelo	Sodium hydrogen carbo...	6011404	1
Caelo	Sodium hydrogen carbo...	12109202	1
Caelo	Sodium hydrogen carbo...	12109204	6
Caelo	Sodium hydrogen carbo...	12132219	10
Caelo	Sodium hydrogen carbo...	12324708	1
Caelo	Sodium hydrogen carbo...	1307017-01	1

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Supplier	Substance	Batch	Spectra
Caelo	Sodium hydrogen carbo...	12356401	4
Caelo	Sodium hydrogen carbo...	11304802	3
Caelo	Sodium hydrogen carbo...	12132204	11
Caelo	Sodium hydrogen carbo...	12356303	3
Caelo	Sodium hydrogen carbo...	1203030-1	1
Caelo	Sodium hydrogen carbo...	13060117	1
Caelo	Sodium hydrogen carbo...	13060104	1
Caelo	Sodium hydrogen carbo...	12324725	2
Caelo	Sodium hydrogen carbo...	12109205	6
Caelo	Sodium hydrogen carbo...	11304813	2
Caelo	Sodium hydrogen carbo...	15328602	1
Caelo	Sodium hydrogen carbo...	12132203	4
Caelo	Sodium hydrogen carbo...	21081204	1
Caelo	Sodium hydrogen carbo...	3012Q-01892	1
Caelo	Sodium hydrogen carbo...	3313I-01892	1
Caelo	Sodium hydrogen carbo...	1219204	1
Caelo	Sodium hydroxide pell...	15312102	1
Caelo	Sodium hydroxide pell...	11070821	1
Caelo	Sodium hydroxide pell...	12368105	2
Caelo	Sodium monohydrogenph...	12256602	4
Caelo	Sodium monohydrogenph...	1169315	1
Caelo	Sodium monohydrogenph...	9302617	1
Caelo	Sodium monohydrogenph...	12345001	7
Caelo	Sodium monohydrogenph...	12256606	5
Caelo	Sodium monohydrogenph...	12345004	7
Caelo	Sodium monohydrogenph...	11169309	3
Caelo	Sodium monohydrogenph...	11169303	2
Caelo	Sodium monohydrogenph...	11169301	1
Caelo	Sodium monohydrogenph...	9302613	2
Caelo	Sodium monohydrogenph...	11169315	4
Caelo	Sodium monohydrogenph...	8300209	1
Caelo	Sodium monohydrogenph...	12345007	6
Caelo	Sodium monohydrogenph...	28131-01914	1
Caelo	Sodium monohydrogenph...	12345016	8
Caelo	Sodium monohydrogenph...	12345025	1
Caelo	Sodium monohydrogenph...	71199028	1
Caelo	Sodium monohydrogenph...	11169321	1
Caelo	Sodium monohydrogenph...	83002059	1
Caelo	Sodium monohydrogenph...	AKD7	1
Caelo	Sodium monohydrogenph...	12109106	2
Caelo	Sodium monohydrogenph...	13028003	1
Caelo	Sodium monohydrogenph...	12109101	2
Caelo	Sodium monohydrogenph...	12109003	3
Caelo	Sodium monohydrogenph...	13028001	4
Caelo	Sodium monohydrogenph...	12109104	1
Caelo	Sodium monohydrogenph...	12109002	4
Caelo	Sodium monohydrogenph...	10135304	1
Caelo	Sodium monohydrogenph...	12109102	1
Caelo	Sodium monohydrogenph...	72006059	1
Caelo	Sodium monohydrogenph...	12109108	1
Caelo	Sodium monohydrogenph...	12109109	1
Caelo	Sodium monohydrogenph...	11109513	1
Caelo	Sodium salicylate, po...	18061305	1
Caelo	Sodium sulfate decahy...	12157001	4
Caelo	Sodium sulfate decahy...	11294501	1
Caelo	Sodium sulfate decahy...	11294504	1
Caelo	Sodium sulfate decahy...	11294605	2
Caelo	Sodium sulfate decahy...	12157006	11
Caelo	Sodium sulfate decahy...	12256902	1
Caelo	Sodium sulfate decahy...	12257901	11

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Supplier	Substance	Batch	Spectra
Caelo	Sodium sulfate decahy...	18101202	1
Caelo	Sodium sulfate decahy...	61599506	1
Caelo	Sodium sulfate decahy...	12157013	4
Caelo	Sodium sulfate decahy...	12157007	1
Caelo	Sodium sulfate decahy...	2013A-01920	1
Caelo	Sodium sulfate decahy...	70706387	1
Caelo	Sodium sulfate decahy...	205026	1
Caelo	Sodium sulfate decahy...	12257902	8
Caelo	Sodium sulfate decahy...	12157012	22
Caelo	Sodium sulfate decahy...	12157011	1
Caelo	Sodium sulfate decahy...	12157005	20
Caelo	Sodium sulfate decahy...	12157017	1
Caelo	Sodium sulfate decahy...	11012210	2
Caelo	Sodium sulfate decahy...	11012207	1
Caelo	Sodium tetraborate	21051402	1
Caelo	Sodium tetraborate	1309032-01	2
Caelo	Sodium tetraborate	11369431	1
Caelo	Sodium tetraborate	14310905	2
Caelo	Sodium tetraborate	13290118	1
Caelo	Sodium thiosulfate pe...	80426288	1
Caelo	Sodium thiosulfate pe...	26041302	1
Caelo	Solanum dulcamara ste...	10375603	2
Caelo	Solanum dulcamara ste...	103745604	1
Caelo	Solanum dulcamara ste...	132564301	1
Caelo	Solanum dulcamara ste...	13254301	1
Caelo	Solanum dulcamara ste...	10375605	1
Caelo	Solanum dulcamara ste...	10375604	2
Caelo	Solanum dulcamara ste...	4712M-02335	1
Caelo	Sorbic acid	14176212	4
Caelo	Sorbic acid	105505	1
Caelo	Sorbic acid	10305213	2
Caelo	Sorbic acid	10305209	1
Caelo	Sorbic acid	10305208	1
Caelo	Sorbic acid	10120303	1
Caelo	Sorbic acid	9280207	2
Caelo	Sorbic acid	14380706	3
Caelo	Sorbic acid	12038002	2
Caelo	Sorbic acid	12038009	1
Caelo	Sorbic acid	12038012	1
Caelo	Sorbic acid	11203812	1
Caelo	Sorbic acid	11203807	11
Caelo	Sorbic acid	11203806	3
Caelo	Sorbic acid	5012E-01048	1
Caelo	Sorbic acid	213E-01048	1
Caelo	Sorbic acid	13334003	4
Caelo	Sorbic acid	12038003	1
Caelo	Sorbic acid	15382002	1
Caelo	Sorbic acid	29071201	1
Caelo	Sorbic acid	14380714	1
Caelo	Sorbic acid	14380714	3
Caelo	Sorbic acid	14380713	2
Caelo	Sorbic acid	14380704	1
Caelo	Sorbic acid	15382010	1
Caelo	Sorbic acid	15382007	1
Caelo	Sorbic acid	14176213	1
Caelo	Sorbic acid	14176214	2
Caelo	Sorbic acid	14380702	2
Caelo	Sorbic acid	13334010	4
Caelo	Sorbic acid	14380702	1
Caelo	Sorbic acid	13334015	1

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Supplier	Substance	Batch	Spectra
Caelo	Sorbic acid	12038003	2
Caelo	Sorbic acid	13334008	3
Caelo	Sorbic acid	14176206	7
Caelo	Sorbic acid	14176209	4
Caelo	Sorbic acid	14176214	2
Caelo	Sorbic acid	12038016	9
Caelo	Sorbic acid	4811Q-01048	1
Caelo	Sorbic acid	12330618	14
Caelo	Sorbic acid	12330608	8
Caelo	Sorbic acid	12038025	1
Caelo	Sorbitan stearate	13209419	2
Caelo	Sorbitan stearate	13209418	3
Caelo	Sorbitan stearate	15300308	1
Caelo	Sorbitan stearate	13209417	3
Caelo	Sorbitan stearate	14038504	1
Caelo	Sorbitan stearate	26031507	1
Caelo	Sorbitan stearate	11145411	1
Caelo	Sorbitan stearate	12274813	2
Caelo	Sorbitan stearate	12h23-n05	1
Caelo	Sorbitan stearate	13209410	1
Caelo	Sorbitan stearate	13B19-N01	4
Caelo	Sorbitan stearate	15415202	2
Caelo	Sorbitan stearate	14038510	1
Caelo	Sorbitan stearate	14038511	1
Caelo	Sorbitan stearate	14218803	2
Caelo	Sorbitan stearate	14218804	1
Caelo	Sorbitan stearate	14218808	3
Caelo	Sorbitan stearate	14372803	1
Caelo	Sorbitan stearate	15300302	5
Caelo	Sorbitan stearate	12274807	1
Caelo	Sorbitan stearate	12085011	1
Caelo	Sorbitol	15118901	1
Caelo	Sorbitol	4091401	1
Caelo	Sorbitol	8081402	1
Caelo	Sorbitol	11379320	1
Caelo	Sorbitol	11379321	1
Caelo	Sorbitol	12249126	1
Caelo	Sorbitol	12249124	1
Caelo	Sorbitol	12249109	2
Caelo	Sorbitol	12249108	3
Caelo	Sorbitol	11379337	2
Caelo	Sorbitol	12249110	4
Caelo	Sorbitol	11379322	1
Caelo	Sorbitol	13278249	1
Caelo	Sorbitol	13278241	1
Caelo	Sorbitol	13278216	2
Caelo	Sorbitol	11379336	2
Caelo	Sorbitol	10383323	1
Caelo	Sorbitol	13335302	1
Caelo	Sorbitol	13335307	3
Caelo	Sorbitol	22011305	1
Caelo	Sorbitol	16101303	1
Caelo	Sorbitol	14250807	1
Caelo	Sorbitol	23071201	1
Caelo	Sorbitol	23081401	1
Caelo	Sorbitol	26071402	1
Caelo	Sorbitol	12249139	1
Caelo	Sorbitol	5021307	1
Caelo	Sorbitol	15208303	1
Caelo	Sorbitol	14250808	1

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Supplier	Substance	Batch	Spectra
Caelo	Sorbitol	13335304	1
Caelo	Sorbitol	13278218	1
Caelo	Sorbitol	13278239	1
Caelo	Sorbitol	15118902	2
Caelo	Sorbitol	15208302	1
Caelo	Sorbitol	13278246	2
Caelo	Sorbitol	13278247	1
Caelo	Sorbitol	13278206	1
Caelo	Sorbitol	20021501	1
Caelo	Sorbitol	12249140	1
Caelo	Sorbitol	15012708	1
Caelo	Sorbitol	12345	1
Caelo	Sorbitol	17011305	1
Caelo	Sorbitol	12L07-N12	1
Caelo	Sorbitol	16038503	1
Caelo	Sorbitol	15208311	2
Caelo	Sorbitol	15208309	2
Caelo	Sorbitol	15208306	1
Caelo	Sorbitol	13278204	1
Caelo	Sorbitol	133335307	1
Caelo	Sorrel herb, cut	13289502	1
Caelo	Sorrel herb, cut	130546	1
Caelo	Sorrel herb, cut	11165310	1
Caelo	Sorrel herb, cut	11165302	1
Caelo	Soy lecithin (instant...	15262701	2
Caelo	Soy lecithin (instant...	13279804	1
Caelo	Soy lecithin (instant...	13030503	2
Caelo	Soy lecithin (instant...	12139008	1
Caelo	Soy lecithin (instant...	14281620	1
Caelo	Soy lecithin (instant...	14196305	1
Caelo	Soy lecithin (instant...	14281618	4
Caelo	Soy lecithin (instant...	12139001	4
Caelo	Soy lecithin (instant...	12139011	1
Caelo	Soy lecithin (instant...	Nachprüfung	1
Caelo	Soy lecithin (instant...	13279806	1
Caelo	Soy lecithin (instant...	11145311	1
Caelo	Soy lecithin (instant...	11371502	1
Caelo	Soy lecithin (instant...	12139012	1
Caelo	Soy lecithin (instant...	13030506	1
Caelo	Soy lecithin (instant...	11371504	1
Caelo	Soy lecithin (instant...	14281605	1
Caelo	Soy lecithin (instant...	12139002	1
Caelo	Spearmint leaf, cut	1512Q-01505	1
Caelo	Spearmint leaf, cut	13105001	12
Caelo	Spearmint leaf, cut	12133901	3
Caelo	Spearmint leaf, cut	12133906	2
Caelo	Spearmint leaf, cut	12133909	1
Caelo	Spearmint leaf, cut	12376706	2
Caelo	Spearmint leaf, cut	11037409+110374	1
Caelo	Spearmint leaf, cut	13105003	1
Caelo	Spironolactone	12049123	4
Caelo	Spironolactone	1314309	1
Caelo	Spironolactone	13124314	1
Caelo	Spironolactone	10H24-N10	1
Caelo	Spironolactone	2013U-03249	1
Caelo	Spironolactone	14378702	3
Caelo	Spironolactone	140202901	1
Caelo	Spironolactone	14378707	1
Caelo	Spironolactone	13190309	1
Caelo	Spironolactone	150401601	1

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Supplier	Substance	Batch	Spectra
Caelo	Spironolactone	14378710	3
Caelo	Spironolactone	13124303	7
Caelo	Spironolactone	11G28-N03	1
Caelo	Spironolactone	12049109	2
Caelo	Spironolactone	12049110	2
Caelo	Spironolactone	12049118	4
Caelo	Spironolactone	16077302	1
Caelo	Spironolactone	1437807	1
Caelo	Spironolactone	11042602	1
Caelo	Spironolactone	14378717	1
Caelo	Spironolactone	13124304	6
Caelo	Spironolactone	12049130	5
Caelo	Spironolactone	13124321	1
Caelo	Spironolactone	13124315	1
Caelo	Spironolactone	13124309	6
Caelo	Spironolactone	13124317	1
Caelo	Spironolactone	13124321	1
Caelo	Spironolactone	14378709	2
Caelo	Spironolactone	13124317	3
Caelo	Spironolactone	13124314	1
Caelo	Spironolactone	5013Q-03249	1
Caelo	Spironolactone	10159914	1
Caelo	Spironolactone	16077303	2
Caelo	Spray-dried arabic gum	12372302	1
Caelo	Spray-dried arabic gum	15086704	1
Caelo	Spray-dried arabic gum	12111301	1
Caelo	Spray-dried arabic gum	11345715	1
Caelo	Spray-dried arabic gum	12138612	1
Caelo	Spray-dried arabic gum	15413201	1
Caelo	Spray-dried arabic gum	12138607	2
Caelo	St. John's wort, cut	132203204	1
Caelo	St. John's wort, cut	12092209	2
Caelo	St. John's wort, cut	11185608	16
Caelo	St. John's wort, cut	12092203	1
Caelo	St. John's wort, cut	13203204	7
Caelo	St. John's wort, cut	11185605	6
Caelo	St. John's wort, cut	13203205	1
Caelo	St. John's wort, cut	9297304	1
Caelo	St. John's wort, cut	13091303	1
Caelo	St. John's wort, cut	12092201	2
Caelo	St. John's wort, cut	15068105	1
Caelo	St. John's wort, cut	5061208	1
Caelo	St. John's wort, cut	12092204	1
Caelo	St. John's wort, cut	5021301	1
Caelo	St. John's wort, cut	4021A100819	2
Caelo	St. John's wort, cut	11185602	2
Caelo	St. John's wort, cut	11185607	2
Caelo	St. John's wort, cut	16041301	1
Caelo	St. John's wort, cut	12092202	8
Caelo	St. John's wort, cut	268913	1
Caelo	St. John's wort, cut	30011401	1
Caelo	St. John's wort, cut	3213A-01655	1
Caelo	St. John's wort, cut	111185608	1
Caelo	St. John's wort, cut	4021B110321	1
Caelo	Star anise	10169101	1
Caelo	Star anise	12226211	1
Caelo	Star anise	11314104	1
Caelo	Star anise	10376405	1
Caelo	Star anise	11314103	2
Caelo	Star anise	5111206	1

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Supplier	Substance	Batch	Spectra
Caelo	Stearic acid 50	12241911	1
Caelo	Stearic acid 50	12241914	1
Caelo	Stearic acid 50	1224	1
Caelo	Stearic acid 50	11308514	2
Caelo	Stearic acid 50	10176203	1
Caelo	Stearic acid 50	12241915	5
Caelo	Stearic acid 50	12241930	2
Caelo	Stearic acid 50	14359314	1
Caelo	Stearic acid 50	11103706	1
Caelo	Stearic acid 50	11308505	2
Caelo	Stemless carline root	13130304	1
Caelo	Stemless carline root	12163701	1
Caelo	Stemless carline root	13130903	1
Caelo	Stemless carline root	14347401	1
Caelo	Stemless carline root	25111306	1
Caelo	Stemless carline root	12232803	1
Caelo	Stemless carline root	12163702	2
Caelo	Stemless carline root	12144804	1
Caelo	Stemless carline root	13130301	5
Caelo	Stemless carline root	13130303	1
Caelo	Stemless carline root	13033501	1
Caelo	Stemless carline root	23071203	1
Caelo	Strawberry leaf, cut	11117909	1
Caelo	Strawberry leaf, cut	4512A-01490	1
Caelo	Sucrose	13352916	2
Caelo	Sucrose	13352916	1
Caelo	Sucrose	13352911	1
Caelo	Sucrose	14340006	1
Caelo	Sucrose	14340005	1
Caelo	Sucrose	14340004	3
Caelo	Sucrose	14340003	1
Caelo	Sucrose	14340003	1
Caelo	Sucrose	14197313	1
Caelo	Sucrose	14197302	2
Caelo	Sucrose	14197301	2
Caelo	Sucrose	1352920	1
Caelo	Sucrose	13352920	4
Caelo	Sucrose	13352909	5
Caelo	Sucrose	12107806	1
Caelo	Sucrose	13031406	2
Caelo	Sucrose	15028802	3
Caelo	Sucrose	12241804	4
Caelo	Sucrose	130031417	1
Caelo	Sucrose	12241808	6
Caelo	Sucrose	12280309	1
Caelo	Sucrose	12241817	3
Caelo	Sucrose	12107805	1
Caelo	Sucrose	13352908	1
Caelo	Sucrose	12241816	2
Caelo	Sucrose	13352905	1
Caelo	Sucrose	13352901	3
Caelo	Sucrose	13031417	2
Caelo	Sucrose	11246307	1
Caelo	Sucrose	13031414	3
Caelo	Sucrose	13031410	4
Caelo	Sucrose	11246313	2
Caelo	Sucrose	14340008	2
Caelo	Sucrose	28041504	1
Caelo	Sucrose	14197302	2
Caelo	Sucrose	28081308	1

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Supplier	Substance	Batch	Spectra
Caelo	Sucrose	29081502	1
Caelo	Sucrose	13352902	12
Caelo	Sucrose	13031409	3
Caelo	Sucrose	13031405	5
Caelo	Sucrose	12241803	3
Caelo	Sucrose	11246306	1
Caelo	Sucrose	13063907	1
Caelo	Sucrose		2
Caelo	Sucrose	24061502	1
Caelo	Sucrose	15446002	6
Caelo	Sucrose	15182805	2
Caelo	Sucrose	15182804	8
Caelo	Sucrose	15156008	1
Caelo	Sucrose	15028801	8
Caelo	Sucrose	14340009	1
Caelo	Sucrose	15446003	1
Caelo	Sucrose	23121-02207	1
Caelo	Sucrose	20031515	1
Caelo	Sucrose	20011401	1
Caelo	Sucrose	16049907	2
Caelo	Sucrose	15446007	1
Caelo	Sulfacetamide	11085912	2
Caelo	Sulfacetamide	11085911	4
Caelo	Sulfacetamide	11085909	2
Caelo	Sulfacetamide	10145802	1
Caelo	Sulfacetamide	10145811	3
Caelo	Sulfacetamide	11085914	2
Caelo	Sulfadiazine	11194204	1
Caelo	Sulfamerazine	10218401	1
Caelo	Sunflower, cut	313A-03521	1
Caelo	Sweet woodruff herb, ...	12103513	2
Caelo	Sweet woodruff herb, ...	12103514	1
Caelo	Sweet woodruff herb, ...	18031304	1
Caelo	Sweet woodruff herb, ...	4409M-01621	1
Caelo	Sweet woodruff herb, ...	52236077	1
Caelo	Sweet woodruff herb, ...	nachprüfung	2
Caelo	Sweet woodruff herb, ...	12103510	1
Caelo	Sweet woodruff herb, ...	10375812	2
Caelo	Sweet woodruff herb, ...	10375802	1
Caelo	Sweet woodruff herb, ...	91789309	1
Caelo	Sweet woodruff herb, ...	12103509	2
Caelo	Talcum powder	11164306	1
Caelo	Talcum powder	2011406	1
Caelo	Talcum powder	12267424	6
Caelo	Talcum powder	12267412	6
Caelo	Talcum powder	9218303	1
Caelo	Talcum powder	12267423	3
Caelo	Talcum powder	12267401	5
Caelo	Talcum powder	12111301	1
Caelo	Talcum powder	1205046-01	3
Caelo	Talcum powder	11318335	4
Caelo	Talcum powder	11318324	4
Caelo	Talcum powder	13146302	8
Caelo	Talcum powder	28121201	1
Caelo	Talcum powder	15061301	1
Caelo	Talcum powder	13146316	3
Caelo	Talcum powder	13146312	4
Caelo	Talcum powder	13146308	5
Caelo	Talcum powder	13146307	3
Caelo	Talcum powder	11318301	1

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Supplier	Substance	Batch	Spectra
Caelo	Talcum powder	11318311	3
Caelo	Talcum powder	11318323	1
Caelo	Talcum powder	11164313	1
Caelo	Talcum powder	11318312	2
Caelo	Tall golden rod, cut	12319007	28
Caelo	Tall golden rod, cut	11280309	3
Caelo	Tall golden rod, cut	20111209	1
Caelo	Tall golden rod, cut	12336801	1
Caelo	Tall golden rod, cut	12343101	1
Caelo	Tall golden rod, cut	12343102	5
Caelo	Tall golden rod, cut	13386903	1
Caelo	Tall golden rod, cut	11280307	1
Caelo	Tall golden rod, cut	12319004	13
Caelo	Tall golden rod, cut	12319003	24
Caelo	Tall golden rod, cut	12319002	2
Caelo	Tall golden rod, cut	11280310	5
Caelo	Tall golden rod, cut	12319006	6
Caelo	Tall golden rod, cut	nachprüfung	1
Caelo	Tall golden rod, cut	28051302	1
Caelo	Tall golden rod, cut	12343109	1
Caelo	Tall golden rod, cut	13049001	1
Caelo	Tall golden rod, cut	13386901	2
Caelo	Tall golden rod, cut	112080308	1
Caelo	Tall golden rod, cut	2656153	1
Caelo	Tall golden rod, cut	11280308	13
Caelo	Tall golden rod, cut	11280305	3
Caelo	Tall golden rod, cut	11280301	8
Caelo	Tall golden rod, cut	12343105	1
Caelo	Tall golden rod, cut	27121302	1
Caelo	Tall golden rod, cut	12343108	1
Caelo	Tall golden rod, cut	11207010	3
Caelo	Tall golden rod, cut	4113A-01684	1
Caelo	Tall golden rod, cut	14112012	1
Caelo	Tall golden rod, cut	4021405	1
Caelo	Tall golden rod, cut	14018404	1
Caelo	Tall golden rod, cut	2513A-01684	1
Caelo	Tall golden rod, cut	12343103	16
Caelo	Tall golden rod, cut	314050-1-p	1
Caelo	Tall golden rod, cut	6081302	1
Caelo	Tall golden rod, cut	4091302	1
Caelo	Tall golden rod, cut	15061203	1
Caelo	Tall golden rod, cut	17091203	1
Caelo	Tall golden rod, cut	12343104	9
Caelo	Tall golden rod, cut	1810201204	1
Caelo	Tall golden rod, cut	11085605	2
Caelo	Tall hawkweed, cut	3611b111005	1
Caelo	Tall nasturtium herb,...	13104405	1
Caelo	Tall nasturtium herb,...	13104404	2
Caelo	Tall nasturtium herb,...	13104403	1
Caelo	Tall nasturtium herb,...	13104406	1
Caelo	Tall nasturtium herb,...	13104402	2
Caelo	Tall nasturtium herb,...	12031601	1
Caelo	Tall nasturtium herb,...	107063	1
Caelo	Tall nasturtium herb,...	10224507	1
Caelo	Tall nasturtium herb,...	12031604	2
Caelo	Tall nasturtium herb,...	12031606	1
Caelo	Tall nasturtium herb,...	13104401	3
Caelo	Tannin	15091504	3
Caelo	Tannin	1524308	1
Caelo	Tannin	nachprüfung	1

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Supplier	Substance	Batch	Spectra
Caelo	Tannin	4413I1052	1
Caelo	Tannin	28011502	1
Caelo	Tannin	21101305	1
Caelo	Tannin	15243802	3
Caelo	Tannin	15243801	6
Caelo	Tannin	1509503	1
Caelo	Tannin	12336016	10
Caelo	Tannin	15091503	1
Caelo	Tannin	12171110	2
Caelo	Tannin	12301515	1
Caelo	Tannin	12171106	11
Caelo	Tannin	12336001	14
Caelo	Tannin	12336005	2
Caelo	Tannin	12336007	2
Caelo	Tannin	12171103	2
Caelo	Tannin	2211Q-01052	1
Caelo	Tannin	11302307	7
Caelo	Tannin	10019007	2
Caelo	Tannin	12336009	10
Caelo	Tannin	10315107	3
Caelo	Tannin	10315110	3
Caelo	Tannin	12336013	4
Caelo	Tannin	11302306	1
Caelo	Tannin	14031913	3
Caelo	Tannin	12336011	5
Caelo	Tannin	14031918	2
Caelo	Tannin	14031919	5
Caelo	Tannin	14031920	1
Caelo	Tannin	14031915	2
Caelo	Tannin	12336014	6
Caelo	Tannin	1236001	1
Caelo	Tannin	13031401	1
Caelo	Tannin	14031903	1
Caelo	Tannin	9128601	1
Caelo	Tannin	14031905	3
Caelo	Tannin	14031912	3
Caelo	Tartaric acid	10180713	2
Caelo	Tartaric acid	12H02-n07	1
Caelo	Tartaric acid	13116306	3
Caelo	Tartaric acid	13116307	1
Caelo	Tartaric acid	13217806	2
Caelo	Tartaric acid	14054521	1
Caelo	Tartaric acid	14186213	3
Caelo	Tartaric acid	12286939	1
Caelo	Tartaric acid	12286911	1
Caelo	Tartaric acid	12286924	1
Caelo	Tartaric acid	12286927	1
Caelo	Tartaric acid	12286929	1
Caelo	Tartaric acid	12286932	2
Caelo	Tartaric acid	12286934	1
Caelo	Tartaric acid	12286936	1
Caelo	Tartaric acid	14G07-B02-308555	1
Caelo	Tartaric acid	15349105	1
Caelo	Tartaric acid	17091402	1
Caelo	Tartaric acid	4110N-01053	1
Caelo	Tartaric acid	9494239	1
Caelo	Tartaric acid	11k10-n07	1
Caelo	Tartaric acid		1
Caelo	Tartaric acid	15164008	1
Caelo	Tartaric acid	15045302	2

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Supplier	Substance	Batch	Spectra
Caelo	Tartaric acid	15045303	1
Caelo	Tartaric acid	151302	1
Caelo	Tartaric acid	15130201	3
Caelo	Tartaric acid	15130205	1
Caelo	Tartaric acid	15164001	1
Caelo	Tartaric acid	15164002	2
Caelo	Tartaric acid	12286906	4
Caelo	Tartaric acid	12044102	4
Caelo	Tartaric acid	1204102	1
Caelo	Tartaric acid	10180714	1
Caelo	Tartaric acid	10199706	1
Caelo	Tartaric acid	10b25-n05	1
Caelo	Tartaric acid	10199713	1
Caelo	Tartaric acid	11169406	2
Caelo	Tartaric acid	12044103	5
Caelo	Tartaric acid	12240413	1
Caelo	Tartaric acid	12240402	1
Caelo	Tartaric acid	12044119	3
Caelo	Tartaric acid	12044112	1
Caelo	Tartaric acid	12240415	1
Caelo	Tartaric acid	12286903	2
Caelo	Testosterone	14201105	1
Caelo	Testosterone	15195803	1
Caelo	Testosterone	APL00034466T	1
Caelo	Testosterone	13134804	1
Caelo	Testosterone	15412202	1
Caelo	Testosterone	15412201	1
Caelo	Testosterone	16225807	2
Caelo	Testosterone	12176301	1
Caelo	Testosterone	11/07-N12	1
Caelo	Testosterone	14355605	1
Caelo	Testosterone	12176305	3
Caelo	Testosterone	13406004	2
Caelo	Testosterone	13134806	4
Caelo	Testosterone propionate	36814m1	1
Caelo	Testosterone propionate	12163610	3
Caelo	Testosterone propionate	12163605	1
Caelo	Testosterone propionate	10L03-N16	3
Caelo	Testosterone propionate	2013U-02376	1
Caelo	Testosterone propionate	1108212376	1
Caelo	Testosterone propionate	12060102	3
Caelo	Testosterone propionate	15444703	1
Caelo	Testosterone propionate	15169504	1
Caelo	Testosterone propionate	15003008	1
Caelo	Testosterone propionate	15003002	3
Caelo	Testosterone propionate	15444703	4
Caelo	Testosterone propionate	15003002	2
Caelo	Testosterone propionate	14L31-B02-304722	4
Caelo	Testosterone propionate	10235821	1
Caelo	Testosterone propionate	12163612	6
Caelo	Testosterone propionate	12163616	5
Caelo	Testosterone propionate	12163617	5
Caelo	Testosterone propionate	12163619	1
Caelo	Testosterone propionate	12163607	1
Caelo	Testosterone propionate	612212376	1
Caelo	Testosterone propionate	106212376	1
Caelo	Testosterone propionate	614E2376	1
Caelo	Testosterone propionate	1109024-02	2
Caelo	Testosterone propionate	903312376	1
Caelo	Testosterone propionate	1263607	1

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Supplier	Substance	Batch	Spectra
Caelo	Testosterone propionate	10235809	1
Caelo	Tetracaine base	14K03-B02-303179	1
Caelo	Tetracaine base	T-290413-1	1
Caelo	Tetracaine base	16A13-B07-318736	2
Caelo	Tetracaine base	14A16-B04-290207	1
Caelo	Tetracaine base	14A16-B04-292916	3
Caelo	Tetracaine base	1512022-01	1
Caelo	Tetracaine hydrochlor...	13155706	12
Caelo	Tetracaine hydrochlor...	13155714	3
Caelo	Tetracaine hydrochlor...	13155716	2
Caelo	Tetracaine hydrochlor...	12019822	8
Caelo	Tetracaine hydrochlor...	13155724	4
Caelo	Tetracaine hydrochlor...	12019820	1
Caelo	Tetracaine hydrochlor...	13155727	5
Caelo	Tetracaine hydrochlor...	13155703	1
Caelo	Tetracaine hydrochlor...	14C18-B03-300200	4
Caelo	Tetracaine hydrochlor...	13155705	3
Caelo	Tetracaine hydrochlor...	27111305	1
Caelo	Tetracaine hydrochlor...	9070003	1
Caelo	Tetracaine hydrochlor...	12h24-n05	1
Caelo	Tetracaine hydrochlor...	15437102	1
Caelo	Tetracaine hydrochlor...	4827030	2
Caelo	Tetracaine hydrochlor...	12019812	3
Caelo	Tetracaine hydrochlor...	12019802	4
Caelo	Tetracaine hydrochlor...	13155720	1
Caelo	Tetracaine hydrochlor...	15437109	6
Caelo	Tetracaine hydrochlor...	10118225	6
Caelo	Tetracaine hydrochlor...	10118211	2
Caelo	Tetracaine hydrochlor...	10118210	2
Caelo	Tetracaine hydrochlor...	15K04-B03-318369	1
Caelo	Tetracaine hydrochlor...	15356902	2
Caelo	Tetracaine hydrochlor...	6093549	3
Caelo	Tetracaine hydrochlor...	13155711	12
Caelo	Tetracaine hydrochlor...	nachprüfung	1
Caelo	Tetracaine hydrochlor...	15079501	2
Caelo	Tetracaine hydrochlor...	12019815	1
Caelo	Tetracaine hydrochlor...	12019816	12
Caelo	Tetracaine hydrochlor...	150604001	1
Caelo	Tetracaine hydrochlor...	15196102	1
Caelo	Tetracaine hydrochlor...	15196104	2
Caelo	Tetracaine hydrochlor...	1313012-01	1
Caelo	Tetracaine hydrochlor...	15079507	1
Caelo	Tetracaine hydrochlor...	15196103	4
Caelo	Tetracycline hydrochl...	12353616	1
Caelo	Tetracycline hydrochl...	12138106	1
Caelo	Tetracycline hydrochl...	13201302	3
Caelo	Tetracycline hydrochl...	13201309	1
Caelo	Tetracycline hydrochl...	13F17-N03	5
Caelo	Tetracycline hydrochl...	12353609	1
Caelo	Tetracycline hydrochl...	12353602	2
Caelo	Tetracycline hydrochl...	9248704	1
Caelo	Tetracycline hydrochl...	15230707	2
Caelo	Tetracycline hydrochl...	1204039	2
Caelo	Tetracycline hydrochl...	14H06-B05-313591	1
Caelo	Tetracycline hydrochl...	103201301	1
Caelo	Tetracycline hydrochl...	14364617	2
Caelo	Tetracycline hydrochl...	5091202	1
Caelo	Tetracycline hydrochl...	1103003-02	1
Caelo	Tetracycline hydrochl...	4012Q-02378	1
Caelo	Tetracycline hydrochl...	2612Q-02378	1

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Supplier	Substance	Batch	Spectra
Caelo	Tetracycline hydrochl...	111002901	1
Caelo	Tetracycline hydrochl...	2714U-02378	1
Caelo	Tetracycline hydrochl...	4315I-02378	1
Caelo	Tetracycline hydrochl...	15230715	1
Caelo	Tetracycline hydrochl...	14364616	2
Caelo	Tetracycline hydrochl...	14080606	2
Caelo	Tetracycline hydrochl...	12353603	5
Caelo	Tetracycline hydrochl...	14080605	3
Caelo	Tetracycline hydrochl...	1235613	1
Caelo	Tetracycline hydrochl...	12353612	2
Caelo	Tetracycline hydrochl...	13L10B02296956	1
Caelo	Tetracycline hydrochl...	14364601	1
Caelo	Tetracycline hydrochl...	14364604	3
Caelo	Tetracycline hydrochl...	14364612	1
Caelo	Theophylline	12341101	2
Caelo	Theophylline	12166306	1
Caelo	Theophylline	12341104	1
Caelo	Theophylline	12166311	1
Caelo	Theophylline	3912A-02382	1
Caelo	Theophylline	12166312	1
Caelo	Theophylline	12166305	3
Caelo	Thiamine chloride hyd...	4071402	1
Caelo	Thiamine chloride hyd...	8121405	1
Caelo	Thiamine chloride hyd...	11371309	2
Caelo	Thiamine chloride hyd...		1
Caelo	Thiamine chloride hyd...	3312A-01119	1
Caelo	Thiamine chloride hyd...	11371319	3
Caelo	Thiamine chloride hyd...	11371313	1
Caelo	Thiamine chloride hyd...	15199099	1
Caelo	Thiamine chloride hyd...	11061401	1
Caelo	Thiamine chloride hyd...	12091407	1
Caelo	Thiamine chloride hyd...	13296610	4
Caelo	Thiamine chloride hyd...	14069502	1
Caelo	Thiamine chloride hyd...	15003201	1
Caelo	Thiamine chloride hyd...	15199009	1
Caelo	Thiomersal	10296413	1
Caelo	Thiomersal	21051507	1
Caelo	Thyme, rubbed	14119001	1
Caelo	Thyme, rubbed	15101201	1
Caelo	Thyme, rubbed	11021301	1
Caelo	Thyme, rubbed	11345010	6
Caelo	Thyme, rubbed	1213Q-01688	1
Caelo	Thyme, rubbed	1021307	1
Caelo	Thyme, rubbed	4041301	1
Caelo	Thyme, rubbed	6111205	1
Caelo	Thyme, rubbed	8061206	1
Caelo	Thyme, rubbed	130448301	1
Caelo	Thyme, rubbed	25091304	1
Caelo	Thyme, rubbed	13081301	1
Caelo	Thyme, rubbed	13011402	1
Caelo	Thyme, rubbed		2
Caelo	Thyme, rubbed	4021512	1
Caelo	Thyme, rubbed	12111201	1
Caelo	Thyme, rubbed	13048308	1
Caelo	Thyme, rubbed	1134514	1
Caelo	Thyme, rubbed	11345013	6
Caelo	Thyme, rubbed	13048309	4
Caelo	Thyme, rubbed	11345003	2
Caelo	Thyme, rubbed	1134006	1
Caelo	Thyme, rubbed	11121306	1

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Supplier	Substance	Batch	Spectra
Caelo	Thyme, rubbed	11345001	2
Caelo	Thyme, rubbed	13048309-3475312161	1
Caelo	Thyme, rubbed	11345011	18
Caelo	Thyme, rubbed	10365803	1
Caelo	Thyme, rubbed	9366310	1
Caelo	Thyme, rubbed	4622A110728	40
Caelo	Thyme, rubbed	273909	4
Caelo	Thyme, rubbed	29011303	1
Caelo	Thyme, rubbed	26021301	1
Caelo	Thyme, rubbed	25041302	1
Caelo	Thyme, rubbed	10365815	5
Caelo	Thyme, rubbed	11345004	5
Caelo	Thyme, rubbed	11345006	9
Caelo	Thyme, rubbed	13048301	16
Caelo	Thyme, rubbed	22021301	1
Caelo	Thyme, rubbed	25091208	1
Caelo	Thyme, rubbed	13048302	2
Caelo	Thyme, rubbed	10365807	4
Caelo	Thyme, rubbed	29101301	1
Caelo	Thyme, rubbed	21121204	1
Caelo	Thyme, rubbed	23021304	1
Caelo	Thyme, rubbed	10365816	3
Caelo	Thyme, rubbed	16011401	1
Caelo	Thymol	19061303	1
Caelo	Thymol	15362901	2
Caelo	Thymol	15130106	1
Caelo	Thymol	11358608	1
Caelo	Thymol	15130101	1
Caelo	Thymol	13147502	2
Caelo	Thymol	11358616	2
Caelo	Thymol	2031503	1
Caelo	Thymol	11178716	1
Caelo	Thymol	11178718	1
Caelo	Thymol	11358607	3
Caelo	Thymol	13288802	4
Caelo	Thymol	14310605	1
Caelo	Thymol	14310601	1
Caelo	Thymol	14025816	1
Caelo	Thymol	14025815	2
Caelo	Thymol	14025805	1
Caelo	Thymol	14025809	2
Caelo	Tonka beans	20111312	1
Caelo	Tonka beans	12144101	1
Caelo	Tonka beans	12145101	3
Caelo	Tosylchloramide sodium	12323605	2
Caelo	Tosylchloramide sodium	12323601	1
Caelo	Tosylchloramide sodium	12277005	3
Caelo	Tosylchloramide sodium	11116708	1
Caelo	Tosylchloramide sodium	12323606	1
Caelo	Tosylchloramide sodium	12323608	1
Caelo	Tosylchloramide sodium	12323609	2
Caelo	Tosylchloramide sodium	13103201	2
Caelo	Tosylchloramide sodium	13103202	1
Caelo	Tosylchloramide sodium	11210803	1
Caelo	Tosylchloramide sodium	15370501	1
Caelo	Tosylchloramide sodium	15039603	2
Caelo	Tosylchloramide sodium	14183505	1
Caelo	Tosylchloramide sodium	13361608	2
Caelo	Tosylchloramide sodium	13361607	5
Caelo	Tosylchloramide sodium	13361606	4

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Supplier	Substance	Batch	Spectra
Caelo	Tosylchloramide sodium	13103210	4
Caelo	Tosylchloramide sodium	13103207	3
Caelo	Tosylchloramide sodium	13103206	7
Caelo	Tosylchloramide sodium	1310206	1
Caelo	Tosylchloramide sodium	72215377	2
Caelo	Tosylchloramide sodium	71051187	2
Caelo	Tosylchloramide sodium	16236603	1
Caelo	Tosylchloramide sodium	11116709	1
Caelo	Tosylchloramide sodium	11/07-N06	1
Caelo	Tosylchloramide sodium	15370505	1
Caelo	Tranexamic acid	20110429	1
Caelo	Tretinoin	151000701	1
Caelo	Tretinoin	1510007-01	7
Caelo	Tretinoin	13308004	6
Caelo	Tretinoin	15078305	1
Caelo	Tretinoin	15078302	1
Caelo	Tretinoin	13278102	6
Caelo	Tretinoin	15078302	1
Caelo	Tretinoin	12023302	15
Caelo	Tretinoin	711212563	1
Caelo	Tretinoin	3041302	1
Caelo	Tretinoin	16070002	2
Caelo	Tretinoin	16070001	1
Caelo	Tretinoin	15437303	1
Caelo	Tretinoin	14252702	3
Caelo	Tretinoin	15239502	2
Caelo	Tretinoin	15239501	1
Caelo	Tretinoin	13B05-B02-287360	7
Caelo	Tretinoin	12102904	2
Caelo	Tretinoin	11284703	1
Caelo	Tretinoin	14252710	2
Caelo	Tretinoin	11225504	1
Caelo	Tretinoin	14093503	2
Caelo	Tretinoin	13195008	2
Caelo	Tretinoin	14252706	1
Caelo	Tretinoin	11225506	2
Caelo	Tretinoin	14093502	4
Caelo	Tretinoin	131950002	1
Caelo	Tretinoin	15078301	1
Caelo	Tretinoin	12320209	4
Caelo	Tretinoin	12320204	1
Caelo	Tretinoin	14L24-B01-303157	3
Caelo	Tretinoin	12320201	1
Caelo	Tretinoin	14252801	2
Caelo	Tretinoin	14040504	6
Caelo	Tretinoin	12023309	1
Caelo	Tretinoin	12367104	1
Caelo	Tretinoin	5012I-02563	1
Caelo	Tretinoin	12I06-N01	5
Caelo	Tretinoin	13278101	1
Caelo	Tretinoin	16F14-B04	1
Caelo	Tretinoin	11k29-n01	1
Caelo	Tretinoin	13278104	3
Caelo	Tretinoin	12320203	3
Caelo	Tretinoin	13278105	2
Caelo	Tretinoin	13308003	1
Caelo	Tretinoin	14093504	1
Caelo	Tretinoin	12367103	4
Caelo	Tretinoin	12102902	1
Caelo	Tretinoin	412051/4	1

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Supplier	Substance	Batch	Spectra
Caelo	Tretinoin	12102903	4
Caelo	Tretinoin	12320303	1
Caelo	Tretinoin	15239502	1
Caelo	Tretinoin	12320207	2
Caelo	Tretinoin	12320205	5
Caelo	Tretinoin	12367101	2
Caelo	Tretinoin	15078303	1
Caelo	Triamcinolon, microni...	12295210	1
Caelo	Triamcinolon, microni...	12295207	1
Caelo	Triamcinolon, microni...	13J07-N08	2
Caelo	Triamcinolon, microni...	12146612	1
Caelo	Triamcinolone acetonide	1811211	1
Caelo	Triamcinolone acetonide	10220340	2
Caelo	Triamcinolone acetonide	10220332	1
Caelo	Triamcinolone acetonide	10220311	1
Caelo	Triamcinolone acetonide	14355706	1
Caelo	Triamcinolone acetonide	14355708	6
Caelo	Triamcinolone acetonide	14355704	1
Caelo	Triamcinolone acetonide	14355711	6
Caelo	Triamcinolone acetonide	5430105	1
Caelo	Triamcinolone acetonide	14355712	1
Caelo	Triamcinolone acetonide	16094512	1
Caelo	Triamcinolone acetonide	3041206	1
Caelo	Triamcinolone acetonide	160102101	1
Caelo	Triamcinolone acetonide	15L21-B03-316123	3
Caelo	Triamcinolone acetonide	15G31-B07-313597	3
Caelo	Triamcinolone acetonide	15C19-B06-308571	2
Caelo	Triamcinolone acetonide	15430101	1
Caelo	Triamcinolone acetonide	15233908	2
Caelo	Triamcinolone acetonide	15233906	5
Caelo	Triamcinolone acetonide	15233902	14
Caelo	Triamcinolone acetonide	15233905	3
Caelo	Triamcinolone acetonide	15233903	10
Caelo	Triamcinolone acetonide	9081305	1
Caelo	Triamcinolone acetonide	15430108	2
Caelo	Triamcinolone acetonide	15430107	1
Caelo	Triamcinolone acetonide	15430106	2
Caelo	Triamcinolone acetonide	15430105	5
Caelo	Triamcinolone acetonide	15430102	2
Caelo	Triamcinolone acetonide	1514Q2516	1
Caelo	Triamcinolone acetonide	16094501	4
Caelo	Triamcinolone acetonide	16092504	5
Caelo	Triamcinolone acetonide	15233901	11
Caelo	Triamcinolone acetonide	9364429	2
Caelo	Triamcinolone acetonide	10220341	1
Caelo	Triamcinolone acetonide	12301507	7
Caelo	Triamcinolone acetonide	12301509	5
Caelo	Triamcinolone acetonide	12301510	4
Caelo	Triamcinolone acetonide	12301515	10
Caelo	Triamcinolone acetonide	12301515	3
Caelo	Triamcinolone acetonide	1206008-01	1
Caelo	Triamcinolone acetonide	12031601	1
Caelo	Triamcinolone acetonide	100/AKD2	1
Caelo	Triamcinolone acetonide	6051401	1
Caelo	Triamcinolone acetonide	12173703	1
Caelo	Triamcinolone acetonide	13256604	5
Caelo	Triamcinolone acetonide	13256603	1
Caelo	Triamcinolone acetonide	13124811	1
Caelo	Triamcinolone acetonide	13124810	1
Caelo	Triamcinolone acetonide	13124809	1

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Supplier	Substance	Batch	Spectra
Caelo	Triamcinolone acetonide	13124808	12
Caelo	Triamcinolone acetonide	13124807	6
Caelo	Triamcinolone acetonide	13124805	4
Caelo	Triamcinolone acetonide	13124804	4
Caelo	Triamcinolone acetonide	13124801	2
Caelo	Triamcinolone acetonide	1312407	1
Caelo	Triamcinolone acetonide	13256607	1
Caelo	Triamcinolone acetonide	13256607	2
Caelo	Triamcinolone acetonide	13E15-N03	28
Caelo	Triamcinolone acetonide	1802212516	1
Caelo	Triamcinolone acetonide	1601312516	1
Caelo	Triamcinolone acetonide	14188303	1
Caelo	Triamcinolone acetonide	15233906	1
Caelo	Triamcinolone acetonide	15233905	1
Caelo	Triamcinolone acetonide	14355102	1
Caelo	Triamcinolone acetonide	13124810	2
Caelo	Triamcinolone acetonide	Ch.B11267704	1
Caelo	Triamcinolone acetonide	13124803	6
Caelo	Triamcinolone acetonide	13124804	11
Caelo	Triamcinolone acetonide	13124806	3
Caelo	Triamcinolone acetonide	13124808	1
Caelo	Triamcinolone acetonide	95/AKD34	1
Caelo	Triamcinolone acetonide	93/AD1	1
Caelo	Triamcinolone acetonide	4613E2516	1
Caelo	Triamcinolone acetonide	2513M02516	1
Caelo	Triamcinolone acetonide	13124809	1
Caelo	Triamcinolone acetonide	13256606	1
Caelo	Triamcinolone acetonide	11267710	2
Caelo	Triamcinolone acetonide	11267714	1
Caelo	Triamcinolone acetonide	14188303	2
Caelo	Triamcinolone acetonide	11267721	5
Caelo	Triamcinolone acetonide	1201506	1
Caelo	Triamcinolone acetonide	120904002	1
Caelo	Triamcinolone acetonide	1210-n09	1
Caelo	Triamcinolone acetonide	1217307	1
Caelo	Triamcinolone acetonide	12173701	8
Caelo	Triamcinolone acetonide	11267707	4
Caelo	Triamcinolone acetonide	10220342	1
Caelo	Triamcinolone acetonide	14355703	2
Caelo	Triamcinolone acetonide	14355702	11
Caelo	Triamcinolone acetonide	14355104	4
Caelo	Triamcinolone acetonide	1107212516	1
Caelo	Triamcinolone acetonide	14355103	8
Caelo	Triamcinolone acetonide	14355101	13
Caelo	Triamcinolone acetonide	11267704	1
Caelo	Triamcinolone acetonide	11267706	1
Caelo	Triamcinolone acetonide	14255104	1
Caelo	Triamcinolone acetonide	12173704	1
Caelo	Triamcinolone acetonide	13379914	6
Caelo	Triamcinolone acetonide	13379913	4
Caelo	Triamcinolone acetonide	13379912	8
Caelo	Triamcinolone acetonide	13379911	2
Caelo	Triamcinolone acetonide	12301504	3
Caelo	Triamcinolone acetonide	Ch-B11267704	1
Caelo	Triamcinolone acetonide	13379906	6
Caelo	Triamcinolone acetonide	13379904	5
Caelo	Triamcinolone acetonide	13379903	2
Caelo	Triamcinolone acetonide	13256608	2
Caelo	Triamcinolone acetonide	13379919	1
Caelo	Triamcinolone acetonide	12173705	7

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Supplier	Substance	Batch	Spectra
Caelo	Triamcinolone acetonide	12173707	7
Caelo	Triamcinolone acetonide	9364422	1
Caelo	Triamcinolone acetonide	12173710	5
Caelo	Triamcinolone acetonide	NS0571M	6
Caelo	Triamcinolone acetonide	12301501	4
Caelo	Triamcinolone acetonide	12301503	2
Caelo	Triamcinolone acetonide	1355101	1
Caelo	Triamcinolone acetonide	13379922	1
Caelo	Tricalcium phosphate	1056303	1
Caelo	Trichloroacetic acid	12135207	5
Caelo	Trichloroacetic acid	6091306	1
Caelo	Trichloroacetic acid	10379401	2
Caelo	Trichloroacetic acid	11011306	1
Caelo	Trichloroacetic acid	13056213	1
Caelo	Trichloroacetic acid	13056212	1
Caelo	Trichloroacetic acid	10130802	1
Caelo	Trichloroacetic acid	13056209	1
Caelo	Trichloroacetic acid	13056203	2
Caelo	Trichloroacetic acid	12135203	1
Caelo	Trichloroacetic acid	3071204	1
Caelo	Trichloroacetic acid	12135210	4
Caelo	Triclosan	15301505	6
Caelo	Triclosan	12145909	12
Caelo	Triclosan	15301514	2
Caelo	Triclosan	15301513	1
Caelo	Triclosan	15301512	4
Caelo	Triclosan	15301511	2
Caelo	Triclosan	15301510	1
Caelo	Triclosan	15301506	3
Caelo	Triclosan	15301504	8
Caelo	Triclosan	15121202	1
Caelo	Triclosan	3041408	1
Caelo	Triclosan	8081401	1
Caelo	Triclosan	10290812	1
Caelo	Triclosan	11076715	1
Caelo	Triclosan	14F23B02293859	1
Caelo	Triclosan	15203604	9
Caelo	Triclosan	15301503	4
Caelo	Triclosan	15301502	3
Caelo	Triclosan	15301501	1
Caelo	Triclosan	1520603	1
Caelo	Triclosan	15203608	2
Caelo	Triclosan	15203607	11
Caelo	Triclosan	15G07-B03-30039	1
Caelo	Triclosan	2213M-03402	1
Caelo	Triclosan	23121409	1
Caelo	Triclosan	2613Q-03402	1
Caelo	Triclosan	P144/14	1
Caelo	Triclosan	16280802	1
Caelo	Triclosan	nachprüfung	1
Caelo	Triclosan	Ch:002/0913	2
Caelo	Triclosan	ch.b.15301506	1
Caelo	Triclosan	AKD12	1
Caelo	Triclosan	5012E-03402	1
Caelo	Triclosan	4212E-03402	1
Caelo	Triclosan	20021304	1
Caelo	Triclosan	15G07-B03-310037	8
Caelo	Triclosan	16021306	1
Caelo	Triclosan	16084601	3
Caelo	Triclosan	16084602	2

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Supplier	Substance	Batch	Spectra
Caelo	Triclosan	16084603	5
Caelo	Triclosan	16084607	1
Caelo	Triclosan	16280805	1
Caelo	Triclosan	16084618	1
Caelo	Triclosan	16084611	3
Caelo	Triclosan	16084610	1
Caelo	Triclosan	16084609	2
Caelo	Triclosan	16084608	2
Caelo	Triclosan	14f23-b02-29385	1
Caelo	Triclosan	13391808	8
Caelo	Triclosan	13391802	2
Caelo	Triclosan	13391801	2
Caelo	Triclosan	12145901	5
Caelo	Triclosan	13247905	11
Caelo	Triclosan	13247805	1
Caelo	Triclosan	1214510	1
Caelo	Triclosan	12003210	6
Caelo	Triclosan	13L18B35289993	1
Caelo	Triclosan	13L18-B35-289992	1
Caelo	Triclosan	13L18B35289986	1
Caelo	Triclosan	13D02-No2	2
Caelo	Triclosan	13D02-N02	94
Caelo	Triclosan	12L06-N01/0005900346	1
Caelo	Triclosan	12359108	12
Caelo	Triclosan	12359106	14
Caelo	Triclosan	12359105	10
Caelo	Triclosan	12359104	6
Caelo	Triclosan	12145917	1
Caelo	Triclosan	12145910	13
Caelo	Triclosan	12359109	7
Caelo	Triclosan	12145906	7
Caelo	Triclosan	12145907	12
Caelo	Triclosan	12c21-n05	7
Caelo	Triclosan	12359112	7
Caelo	Triclosan	12359111	12
Caelo	Triclosan	12359110	7
Caelo	Triclosan	12145908	8
Caelo	Triclosan	14052101	5
Caelo	Triclosan	14211211	1
Caelo	Triclosan	14205905	4
Caelo	Triclosan	14205904	3
Caelo	Triclosan	14205903	10
Caelo	Triclosan	1125204	1
Caelo	Triclosan	14205902	5
Caelo	Triclosan	11238014	1
Caelo	Triclosan	11076716	1
Caelo	Triclosan	11076717	3
Caelo	Triclosan	11238002	1
Caelo	Triclosan	1425903	1
Caelo	Triclosan	11238003	2
Caelo	Triclosan	11238009	2
Caelo	Triclosan	11238011	3
Caelo	Triclosan	14205901	4
Caelo	Triclosan	14121207	10
Caelo	Triclosan	14121204	5
Caelo	Triclosan	14121203	5
Caelo	Triclosan	14052103	14
Caelo	Triclosan	14052102	10
Caelo	Triclosan	12003205	13
Caelo	Triclosan	14121209	4

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Supplier	Substance	Batch	Spectra
Caelo	Triclosan	14121220	1
Caelo	Triclosan	14121215	13
Caelo	Triclosan	11D20-N10	6
Caelo	Triclosan	12003201	5
Caelo	Triclosan	14121214	7
Caelo	Triclosan	12003202	4
Caelo	Triclosan	14121211	5
Caelo	Trometamol	13C-08-N07	1
Caelo	Trometamol	1339103	1
Caelo	Trometamol	15094404	1
Caelo	Trometamol	14050002	6
Caelo	Trometamol	14050003	4
Caelo	Trometamol	14050004	3
Caelo	Trometamol	12113507	3
Caelo	Trometamol	nachprüfung	1
Caelo	Trometamol	ch.b.15377602	1
Caelo	Trometamol		2
Caelo	Trometamol	13339108	10
Caelo	Trometamol	13095901	11
Caelo	Trometamol	13095902	15
Caelo	Trometamol	13095905	1
Caelo	Trometamol	13095910	5
Caelo	Trometamol	13095911	15
Caelo	Trometamol	13095912	18
Caelo	Trometamol	13095913	3
Caelo	Trometamol	13095915	2
Caelo	Trometamol	13339103	8
Caelo	Trometamol	13339107	5
Caelo	Trometamol	5315I-02519	1
Caelo	Trometamol	14332404	1
Caelo	Trometamol	15070304	9
Caelo	Trometamol	15070307	2
Caelo	Trometamol	15377602	9
Caelo	Trometamol	15070308	9
Caelo	Trometamol	15070309	1
Caelo	Trometamol	15070311	8
Caelo	Trometamol	15277602	1
Caelo	Trometamol	15094401	9
Caelo	Trometamol	14332403	1
Caelo	Trometamol	5012M-02519	1
Caelo	Trometamol	3713E-02519	1
Caelo	Trometamol	27111304	1
Caelo	Trometamol	26111201	1
Caelo	Trometamol	18081503	1
Caelo	Trometamol	15377607	2
Caelo	Trometamol	15377605	1
Caelo	Trometamol	14050006	1
Caelo	Trometamol	14332402	14
Caelo	Trometamol	15377604	1
Caelo	Trometamol	13051401	1
Caelo	Trometamol	11376006	9
Caelo	Trometamol	213E-02519	1
Caelo	Trometamol	215I-02519	1
Caelo	Trometamol	313I-02519	1
Caelo	Trometamol	314Q2519	1
Caelo	Trometamol	11160714	5
Caelo	Trometamol	8031301	1
Caelo	Trometamol	914I-02519	1
Caelo	Trometamol	11160711	1
Caelo	Trometamol	1001312519	1

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Supplier	Substance	Batch	Spectra
Caelo	Trometamol	12113508	1
Caelo	Trometamol	12113510	1
Caelo	Trometamol	12113515	5
Caelo	Trometamol	12113511	1
Caelo	Urea	13064223	25
Caelo	Urea	13064221	9
Caelo	Urea	AKD6	1
Caelo	Urea	nachprüfung	1
Caelo	Urea	15154112	6
Caelo	Urea	62/AKD49	1
Caelo	Urea	13064231	14
Caelo	Urea	13064230	12
Caelo	Urea	13064228	16
Caelo	Urea	13064227	6
Caelo	Urea	25082015A	1
Caelo	Urea	15154110	14
Caelo	Urea	13064226	12
Caelo	Urea	13064224	2
Caelo	Urea	13064217	3
Caelo	Urea	4013Q2544	1
Caelo	Urea	4111M-02544	1
Caelo	Urea	13064207	20
Caelo	Urea	4914I-02544	1
Caelo	Urea	63/AKD4	1
Caelo	Urea	568900	1
Caelo	Urea	13064206	25
Caelo	Urea	3413Q-02544	1
Caelo	Urea	13064215	19
Caelo	Urea	26071304	1
Caelo	Urea	13064214	14
Caelo	Urea	13064213	7
Caelo	Urea	13064212	29
Caelo	Urea	82374179	1
Caelo	Urea	30031304	1
Caelo	Urea	3012A-02544	1
Caelo	Urea	22111305	1
Caelo	Urea	18071301	1
Caelo	Urea	20031514	1
Caelo	Urea	15087105	9
Caelo	Urea	20130912-4	1
Caelo	Urea	15087104	9
Caelo	Urea	21051304	1
Caelo	Urea	15087102	3
Caelo	Urea	1508/104	1
Caelo	Urea	15087107	9
Caelo	Urea	15154116	1
Caelo	Urea	16107406	2
Caelo	Urea	15154111	18
Caelo	Urea	17.02.16Vi	1
Caelo	Urea	15154109	5
Caelo	Urea	17011405	1
Caelo	Urea	17101310	1
Caelo	Urea	15154107	7
Caelo	Urea	15154103	20
Caelo	Urea	14I18-B03	1
Caelo	Urea	14011513	1
Caelo	Urea	2109212544	1
Caelo	Urea	1306422	1
Caelo	Urea	14/18-B03-303581	3
Caelo	Urea	1317B02-287602	1

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Supplier	Substance	Batch	Spectra
Caelo	Urea	13064236	9
Caelo	Urea	13064233	15
Caelo	Urea	13064232	16
Caelo	Urea	21111806	1
Caelo	Urea	14107102	25
Caelo	Urea	14107122	12
Caelo	Urea	14107120	6
Caelo	Urea	14107119	14
Caelo	Urea	14107118	4
Caelo	Urea	14107117	5
Caelo	Urea	14107112	12
Caelo	Urea	14107109	15
Caelo	Urea	14107108	7
Caelo	Urea	14107103	10
Caelo	Urea	14107113	15
Caelo	Urea	11150701	2
Caelo	Urea	11150702	3
Caelo	Urea	11150703	1
Caelo	Urea	11150714	3
Caelo	Urea	1211802	1
Caelo	Urea	11150721	6
Caelo	Urea	1113A-025	1
Caelo	Urea	10169722	1
Caelo	Urea	10169726	2
Caelo	Urea	10169731	2
Caelo	Urea	1211804	1
Caelo	Urea	107063	1
Caelo	Urea	11120725	1
Caelo	Urea	11150725	5
Caelo	Urea	1211181	1
Caelo	Urea	12111809	16
Caelo	Urea	12101301	1
Caelo	Urea	12111801	9
Caelo	Urea	12111802	10
Caelo	Urea	12111803	1
Caelo	Urea	12111810	16
Caelo	Urea	11150731	2
Caelo	Urea	12111834	2
Caelo	Urea	12111826	8
Caelo	Urea	12111823	14
Caelo	Urea	12111822	23
Caelo	Urea	12111820	16
Caelo	Urea	10116	1
Caelo	Urea	1211808	1
Caelo	Urea	1211809	1
Caelo	Urea	13064201	7
Caelo	Urea	1211820	1
Caelo	Urea	1306412	1
Caelo	Urea	12L10-N08	6
Caelo	Urea	12C20-N05	2
Caelo	Urea	1211806	2
Caelo	Urea	2324534	1
Caelo	Urea	10081208	1
Caelo	Urea	1211823	1
Caelo	Urea	123456	1
Caelo	Urea	5061410	1
Caelo	Urea	314Q2544	1
Caelo	Valerian root, cut	20081303	1
Caelo	Valerian root, cut	31121201	1
Caelo	Valerian root, cut	12033807	1

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Supplier	Substance	Batch	Spectra
Caelo	Valerian root, cut	12033806	1
Caelo	Valerian root, cut	12033805	5
Caelo	Valerian root, cut	12033804	5
Caelo	Valerian root, cut	120338012	1
Caelo	Valerian root, cut	nachprüfung	1
Caelo	Valerian root, cut	11103601	2
Caelo	Valerian root, cut	11103612	3
Caelo	Valerian root, cut	2712A-02167	1
Caelo	Valerian root, cut	13287402	2
Caelo	Valerian root, cut	28101303	1
Caelo	Valerian root, cut	31101202	1
Caelo	Valerian root, cut	29101303	1
Caelo	Valerian root, cut	11103611	1
Caelo	Valerian root, cut	11103602	2
Caelo	Valerian root, cut	1328	1
Caelo	Valerian root, cut	11103606	1
Caelo	Valerian root, cut	11103607	6
Caelo	Valerian root, cut	11103608	1
Caelo	Valerian root, cut	11349101	5
Caelo	Valerian root, cut	3091202	1
Caelo	Valerian root, cut	12033811	6
Caelo	Valerian root, cut	12033812	11
Caelo	Valerian root, cut	12033808	6
Caelo	Valerian root, cut	12033810	1
Caelo	Valerian root, cut	13196802	2
Caelo	Valerian root, cut	13196806	4
Caelo	Valerian root, cut	13196805	1
Caelo	Valerian root, cut	1203812	1
Caelo	Valerian root, cut	1319002	1
Caelo	Valerian root, cut	13119004	3
Caelo	Valerian root, cut	13119003	13
Caelo	Valerian root, cut	13196801	1
Caelo	Valerian root, cut	13119002	14
Caelo	Valerian root, cut	13196801-3564412081	1
Caelo	Vanillin	15154017	1
Caelo	Vanillin	10066811	1
Caelo	Vanillin	12h09-n06	1
Caelo	Vanillin	112901	1
Caelo	Vanillin	15135302	1
Caelo	Vanillin	12079428	1
Caelo	Vanillin	12079424	1
Caelo	Vanillin	12079417	1
Caelo	Vanillin	15154006	1
Caelo	Vanillin	15154020	3
Caelo	Vanillin	12071401	1
Caelo	Vanillin	90961269	1
Caelo	Vanillin	14044404	1
Caelo	Verbena herb, cut	3013E-01691	1
Caelo	Verbena herb, cut	12188203	6
Caelo	Verbena herb, cut	11031105	3
Caelo	Verbena herb, cut	11031103	2
Caelo	Verbena herb, cut	12188202	11
Caelo	Verbena herb, cut	12187601	15
Caelo	Verbena herb, cut	12383002	2
Caelo	Verbena herb, cut	13351401	1
Caelo	Verbena herb, cut	13151003	3
Caelo	Verbena herb, cut	19111205	1
Caelo	Verbena herb, cut	13151001	17
Caelo	Verbena herb, cut	12383005	1
Caelo	Verbena herb, cut	15012405	1

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Supplier	Substance	Batch	Spectra
Caelo	Verbena herb, cut	2x12188202	1
Caelo	Verbena herb, cut	12178601	1
Caelo	Verbena herb, cut	11031106	7
Caelo	Verbena herb, cut	110031110	1
Caelo	Verbena herb, cut	11031107	2
Caelo	Verbena herb, cut	10034903	1
Caelo	Verbena herb, cut	11031108	11
Caelo	Verbena herb, cut	11031110	6
Caelo	Verbena herb, cut	6111301	1
Caelo	Verbena herb, cut	11031109	1
Caelo	Verbena herb, cut	11031101	1
Caelo	Verbena herb, cut	11031102	1
Caelo	Walnut bark, cut	11325603	1
Caelo	Walnut bark, cut	11016604	2
Caelo	Walnut bark, cut	11016602	1
Caelo	Walnut bark, cut	11325605	2
Caelo	Walnut bark, cut	11016605	2
Caelo	Wax, bleached	14336620	1
Caelo	Wax, bleached	1529003	1
Caelo	Wax, bleached	15292009	2
Caelo	Wax, bleached	15292005	2
Caelo	Wax, bleached	15292014	3
Caelo	Wax, bleached	15292022	1
Caelo	Wax, bleached	15292004	3
Caelo	Wax, yellow	12367916-3429311150	1
Caelo	Wax, yellow	12367916	5
Caelo	Wax, yellow	12367904	6
Caelo	Wax, yellow	12367901	16
Caelo	Wax, yellow	1214816	1
Caelo	Wax, yellow	12124810	7
Caelo	Wax, yellow	11017318	3
Caelo	Wax, yellow	13031206	9
Caelo	Wax, yellow	14189901	2
Caelo	Wax, yellow	15023006	2
Caelo	Wax, yellow	16038203	2
Caelo	Wax, yellow	P146/14	1
Caelo	Wax, yellow	15292003	1
Caelo	Wax, yellow	1436607	1
Caelo	Wax, yellow	14336607	7
Caelo	Wax, yellow	14189912	3
Caelo	Wax, yellow	13335517	3
Caelo	Wax, yellow	13051401	1
Caelo	Wax, yellow	10364810	1
Caelo	Wax, yellow	13031222	4
Caelo	Wax, yellow	10145019	1
Caelo	Wax, yellow	10121302	1
Caelo	Wax, yellow	13031231	8
Caelo	Wax, yellow	11017314	1
Caelo	Wax, yellow	17121201	1
Caelo	Wax, yellow	20071503	1
Caelo	Wax, yellow	12367912	4
Caelo	Wax, yellow	12367921	1
Caelo	Wax, yellow	110124	1
Caelo	Wax, yellow	13031201	6
Caelo	Wax, yellow	20031517	1
Caelo	Wax, yellow	13031220	4
Caelo	Wax, yellow	15317613	4
Caelo	Wax, yellow	16038202	2
Caelo	Wax, yellow	12041303	1
Caelo	Wax, yellow	152920004	1

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Supplier	Substance	Batch	Spectra
Caelo	Wax, yellow	15292004	5
Caelo	Wax, yellow	12091404	1
Caelo	Wax, yellow	28011501	1
Caelo	Wax, yellow	1595	1
Caelo	Wax, yellow	13031240	1
Caelo	Wax, yellow	11017315	1
Caelo	Wax, yellow	11101207	1
Caelo	Wax, yellow	11285001	1
Caelo	Wax, yellow	11285014	2
Caelo	Wax, yellow	11285015	1
Caelo	Wax, yellow	11308311	2
Caelo	Wax, yellow	12367911	2
Caelo	Wax, yellow	14336618	1
Caelo	Wax, yellow	26091302	1
Caelo	Wax, yellow	14336609	2
Caelo	Wax, yellow	14336608	1
Caelo	Wax, yellow	14189915	1
Caelo	Wax, yellow	15317607	2
Caelo	Wax, yellow	4910A-01239	1
Caelo	Wax, yellow	12257004	2
Caelo	Wax, yellow	1436616	1
Caelo	Wax, yellow	30011407	1
Caelo	Wax, yellow	30101308	1
Caelo	Wax, yellow	10364814	1
Caelo	Wax, yellow	12257009	7
Caelo	Wax, yellow	14336620	2
Caelo	Wax, yellow	22071301	1
Caelo	Wax, yellow	10364837	1
Caelo	Wax, yellow	12257022	1
Caelo	Wax, yellow	14G07-B04-300495	3
Caelo	Wax, yellow	12330116	1
Caelo	Wax, yellow	12367910	13
Caelo	Wax, yellow	15022902	3
Caelo	Wax, yellow	15317610	3
Caelo	Wax, yellow	14189914	4
Caelo	Wax, yellow	12257012	5
Caelo	Wax, yellow	14336605	1
Caelo	Wax, yellow	2179	1
Caelo	Wax, yellow	14189919	1
Caelo	Wax, yellow	14189917	1
Caelo	Wax, yellow	10364829	1
Caelo	Wax, yellow	15317608	3
Caelo	Wax, yellow	13335505	1
Caelo	Wax, yellow	14189907	3
Caelo	Wax, yellow	15023003	3
Caelo	Wax, yellow	17041402	1
Caelo	Wax, yellow	12124807	3
Caelo	Wax, yellow	17121202	1
Caelo	Wax, yellow	13378634	6
Caelo	Wax, yellow	15317604	1
Caelo	Wax, yellow	12124817	2
Caelo	Wax, yellow	15098902	1
Caelo	Wax, yellow	15022904	1
Caelo	Wax, yellow	15022908	2
Caelo	Wax, yellow	18121201	1
Caelo	Wax, yellow	13335507	4
Caelo	Wax, yellow	1335503	1
Caelo	Wax, yellow	13378630	2
Caelo	Wax, yellow	15317602	2
Caelo	Wax, yellow	13378603	1

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Supplier	Substance	Batch	Spectra
Caelo	Wax, yellow	12124814	2
Caelo	Wax, yellow	12124812	8
Caelo	Wax, yellow	12124816	1
Caelo	Wax, yellow	13335508	1
Caelo	Wax, yellow	13335509	3
Caelo	Wax, yellow	14189906	1
Caelo	Wax, yellow	14189902	2
Caelo	Wax, yellow	13335516	3
Caelo	Wax, yellow	15041301	1
Caelo	Wax, yellow	6111407	1
Caelo	Wax, yellow	14060706	1
Caelo	Wax, yellow	4031403	1
Caelo	Wax, yellow	12124805	8
Caelo	Wax, yellow	13061503	1
Caelo	Wax, yellow	15023004	4
Caelo	Wax, yellow	14189909	3
Caelo	Wax, yellow	17011403	1
Caelo	Wax, yellow	121248024-2015	1
Caelo	Wax, yellow	1418915	1
Caelo	Wax, yellow	15292009	1
Caelo	Wax, yellow	16038201	2
Caelo	Wax, yellow	14189913	2
Caelo	Wax, yellow	15292014	1
Caelo	Wax, yellow	15022903	1
Caelo	Wax, yellow	1214812	1
Caelo	Wax, yellow	20031516	1
Caelo	Wax, yellow	12257002	3
Caelo	Wax, yellow	13335503	6
Caelo	Wax, yellow	12124806	1
Caelo	Wax, yellow	13378640	2
Caelo	Wax, yellow	13378639	3
Caelo	Wax, yellow	12124801	8
Caelo	Wax, yellow	15317603	3
Caelo	Wax, yellow	15317601	2
Caelo	Wax, yellow	12124802	2
Caelo	Wax, yellow	13335502	11
Caelo	Wheat starch	11146011	1
Caelo	Wheat starch	1512477	1
Caelo	Wheat starch	15124707	1
Caelo	Wheat starch	11350911	5
Caelo	Wheat starch	11350907	3
Caelo	Wheat starch	10015911	1
Caelo	White deadnettle flower	11371608	1
Caelo	White deadnettle flower	15299101	1
Caelo	White deadnettle flower	2101301	1
Caelo	White deadnettle flower	10081206	1
Caelo	White deadnettle flower	11371610	5
Caelo	White deadnettle flower	11371609	2
Caelo	White deadnettle flower	11371613	2
Caelo	White deadnettle flower	11371604	1
Caelo	White deadnettle flower	12275802	1
Caelo	White deadnettle flower	9231005	1
Caelo	White deadnettle flower	52470437	1
Caelo	White deadnettle flower	11371611	2
Caelo	White deadnettle flower	12152402	2
Caelo	White deadnettle herb...	11371706	2
Caelo	White deadnettle herb...	11371701	1
Caelo	White deadnettle herb...	11371702	1
Caelo	White deadnettle herb...	11371703	1
Caelo	White deadnettle herb...	1137170301-15	1

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Supplier	Substance	Batch	Spectra
Caelo	White deadnettle herb...	11371705	1
Caelo	White deadnettle herb...	pzn4269354	1
Caelo	White deadnettle herb...	11371711	2
Caelo	White deadnettle herb...	11371709	1
Caelo	White deadnettle herb...	11371708	4
Caelo	White deadnettle herb...	11371707	1
Caelo	Wild apple, sweet	11229805	1
Caelo	Wild pansy, cut	12189203	3
Caelo	Wild pansy, cut	14061311	1
Caelo	Wild pansy, cut	7101303	1
Caelo	Wild pansy, cut	17101205	1
Caelo	Wild pansy, cut	11216103	2
Caelo	Wild pansy, cut	12189204-3458312120	1
Caelo	Wild pansy, cut	12189204-3463312101	1
Caelo	Wild pansy, cut	10291009	4
Caelo	Wild pansy, cut	10291008	1
Caelo	Wild pansy, cut	10291007	1
Caelo	Wild pansy, cut	12189203	6
Caelo	Wild pansy, cut	15021301	1
Caelo	Wild pansy, cut	13091205	1
Caelo	Wild pansy, cut	1289203	1
Caelo	Wild pansy, cut	5021304	1
Caelo	Wild pansy, cut	12382806	1
Caelo	Wild pansy, cut	12189204	4
Caelo	Wild pansy, cut	12189204	9
Caelo	Wild thyme, cut	4501A120813	2
Caelo	Wild thyme, cut	11031203	1
Caelo	Wild thyme, cut	111374807	1
Caelo	Wild thyme, cut	11374803	2
Caelo	Wild thyme, cut	11374805	5
Caelo	Wild thyme, cut	11374805i.0.	1
Caelo	Wild thyme, cut	13086801	1
Caelo	Wild thyme, cut	13086805	3
Caelo	Willow bark, cut	21011302	1
Caelo	Willow bark, cut	12185202	2
Caelo	Willow bark, cut	12185201	5
Caelo	Willow bark, cut	11073210	4
Caelo	Willow bark, cut	11073208	1
Caelo	Willow bark, cut	11073201	1
Caelo	Willow bark, cut	9071301	1
Caelo	Willow bark, cut	12185204	5
Caelo	Willow bark, cut	13180705	1
Caelo	Willow bark, cut	2185206	1
Caelo	Willow bark, cut	272101	1
Caelo	Willow bark, cut	4312E-01305	1
Caelo	Willow bark, cut	12185207	3
Caelo	Willow bark, cut	12185206	4
Caelo	Willow bark, cut	13180701	1
Caelo	Willow bark, cut	13180705-3530411072	1
Caelo	Willow bark, cut	12185208	14
Caelo	Willow bark, cut	13180702	3
Caelo	Willow herb, cut	13104702	1
Caelo	Willow herb, cut	11347311	1
Caelo	Willow herb, cut	10194216	1
Caelo	Willow herb, cut	11347318	2
Caelo	Willow herb, cut	11347316	1
Caelo	Willowherb, small flo...	21061307	1
Caelo	Willowherb, small flo...	12117701	2
Caelo	Willowherb, small flo...	12064506	1
Caelo	Willowherb, small flo...	12041301	1

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Supplier	Substance	Batch	Spectra
Caelo	Willowherb, small flo...	15011411	1
Caelo	Willowherb, small flo...	13355906	1
Caelo	Willowherb, small flo...	13200201	3
Caelo	Willowherb, small flo...	13071301	1
Caelo	Willowherb, small flo...	22011304	1
Caelo	Willowherb, small flo...	18031305	1
Caelo	Willowherb, small flo...	15101302	1
Caelo	Willowherb, small flo...	28031318	1
Caelo	Willowherb, small flo...	29121201	1
Caelo	Willowherb, small flo...	31101303	1
Caelo	Willowherb, small flo...	412041	1
Caelo	Willowherb, small flo...	2412E-01641	1
Caelo	Willowherb, small flo...	10326108	14
Caelo	Willowherb, small flo...	1031301	1
Caelo	Willowherb, small flo...	2081305	1
Caelo	Willowherb, small flo...	613M-01641	1
Caelo	Willowherb, small flo...	10326109	3
Caelo	Willowherb, small flo...	10326107	1
Caelo	Willowherb, small flo...	10326104	5
Caelo	Willowherb, small flo...	7071201	1
Caelo	Wool alcohols	11011401	1
Caelo	Wool alcohols	23101408	1
Caelo	Wool alcohols	15304505	1
Caelo	Wool alcohols	13071502	1
Caelo	Wool alcohols	13226408	1
Caelo	Wool alcohols	12340505	1
Caelo	Wool alcohols	13083906	2
Caelo	Wool alcohols	13083912	1
Caelo	Wormwood herb, cut	12103002	1
Caelo	Wormwood herb, cut	11285811	4
Caelo	Wormwood herb, cut	11285809	1
Caelo	Wormwood herb, cut	7031301	1
Caelo	Wormwood herb, cut	7011401	1
Caelo	Wormwood herb, cut	6101203	1
Caelo	Wormwood herb, cut	13387008	1
Caelo	Wormwood herb, cut	12355807	9
Caelo	Wormwood herb, cut	12355808	2
Caelo	Wormwood herb, cut	13174402	1
Caelo	Wormwood herb, cut	13174403	1
Caelo	Wormwood herb, cut	12355805	5
Caelo	Wormwood herb, cut	12355804	9
Caelo	Wormwood herb, cut	11285805	4
Caelo	Wormwood herb, cut	277513	2
Caelo	Wormwood herb, cut	nachprüfung	1
Caelo	Wormwood herb, cut	12355801	23
Caelo	Wormwood herb, cut	12355802	4
Caelo	Wormwood herb, cut	13174401	3
Caelo	Wormwood herb, cut	13381902	3
Caelo	Wormwood herb, cut	272957	3
Caelo	Wormwood herb, cut	11285804	1
Caelo	Wormwood herb, cut	11285802	3
Caelo	Wormwood herb, cut	15408304	1
Caelo	Wormwood herb, cut	1108508	1
Caelo	Wormwood herb, cut	1911E-01611	1
Caelo	Wormwood herb, cut	2213M-01611	1
Caelo	Wormwood herb, cut	12355803	34
Caelo	Wormwood herb, cut	11285806	2
Caelo	Wormwood herb, cut	12103003	12
Caelo	Wormwood herb, cut	13381905	2
Caelo	Wormwood herb, cut	11285803	3

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Supplier	Substance	Batch	Spectra
Caelo	Xylitol	13230302	2
Caelo	Xylitol	14G04-B04-298356	2
Caelo	Xylitol	13230305	1
Caelo	Xylitol	3314M-02787	1
Caelo	Xylitol	15388104	1
Caelo	Xylitol	14061401	1
Caelo	Xylitol	5112I-02787	1
Caelo	Xylitol	12240612	1
Caelo	Xylitol	12039003	1
Caelo	Xylitol	13230309	1
Caelo	Xylitol	13230315	1
Caelo	Xylitol	15135401	1
Caelo	Xylometazoline hydroc...	15037907	3
Caelo	Xylometazoline hydroc...	12287203	11
Caelo	Xylometazoline hydroc...	2031502	1
Caelo	Xylometazoline hydroc...	10118805	1
Caelo	Xylometazoline hydroc...	12027906	3
Caelo	Xylometazoline hydroc...	10118821	3
Caelo	Xylometazoline hydroc...	1207906	1
Caelo	Xylometazoline hydroc...	12287201	2
Caelo	Xylometazoline hydroc...	12287204	2
Caelo	Xylometazoline hydroc...	9278404	1
Caelo	Xylometazoline hydroc...	15037910	2
Caelo	Xylometazoline hydroc...	15037912	1
Caelo	Xylometazoline hydroc...	13344908	1
Caelo	Xylometazoline hydroc...	13344901	1
Caelo	Xylometazoline hydroc...	13171205	2
Caelo	Xylometazoline hydroc...	13171202	8
Caelo	Xylometazoline hydroc...	15292803	3
Caelo	Xylometazoline hydroc...	12287212	2
Caelo	Xylometazoline hydroc...	15292804	4
Caelo	Xylometazoline hydroc...	16074201	2
Caelo	Xylometazoline hydroc...	9276404	1
Caelo	Xylometazoline hydroc...	12287210	8
Caelo	Xylometazoline hydroc...	24111202	1
Caelo	Xylometazoline hydroc...	12287213	1
Caelo	Xylose	16002302	2
Caelo	Xylose	13133410	1
Caelo	Xylose	13133404	2
Caelo	Xylose	12120102	3
Caelo	Xylose	5031501	1
Caelo	Xylose	12120101	1
Caelo	Xylose	11031501	1
Caelo	Xylose	14218903	1
Caelo	Xylose	13133414	3
Caelo	Yarrow flower, rubbed	12363007	1
Caelo	Yarrow flower, rubbed	12363002	6
Caelo	Yarrow flower, rubbed	13350507	1
Caelo	Yarrow flower, rubbed	12267703	3
Caelo	Yarrow flower, rubbed	12338306	1
Caelo	Yarrow flower, rubbed	70139427	1
Caelo	Yarrow flower, rubbed	12363005	5
Caelo	Yarrow herb, cut	130929105	1
Caelo	Yarrow herb, cut	13029107-3436311151	1
Caelo	Yarrow herb, cut	3313Q-01665	1
Caelo	Yarrow herb, cut		3
Caelo	Yarrow herb, cut	11218404	2
Caelo	Yarrow herb, cut	1408510	1
Caelo	Yarrow herb, cut	13029104	2
Caelo	Yarrow herb, cut	14018516	1

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Supplier	Substance	Batch	Spectra
Caelo	Yarrow herb, cut	14018508	1
Caelo	Yarrow herb, cut	13381810	1
Caelo	Yarrow herb, cut	13029105	4
Caelo	Yarrow herb, cut	2311E-01665	1
Caelo	Yarrow herb, cut	13029108	7
Caelo	Yarrow herb, cut	15006713	1
Caelo	Yarrow herb, cut	16041302	1
Caelo	Yarrow herb, cut	130291103	1
Caelo	Yarrow herb, cut	1309106	1
Caelo	Yarrow herb, cut	15006720	1
Caelo	Yarrow herb, cut	15006708	1
Caelo	Yarrow herb, cut	31121207	1
Caelo	Yarrow herb, cut	29071301	1
Caelo	Yarrow herb, cut	13381804	2
Caelo	Yarrow herb, cut	13381806	2
Caelo	Yarrow herb, cut	13029106	12
Caelo	Yarrow herb, cut	13029107	2
Caelo	Yarrow herb, cut	27011404	1
Caelo	Yarrow herb, cut	13381805	1
Caelo	Yarrow herb, cut	12336306	1
Caelo	Yarrow herb, cut	12338304	16
Caelo	Yarrow herb, cut	12338305	12
Caelo	Yarrow herb, cut	12338306	5
Caelo	Yarrow herb, cut	12338311	2
Caelo	Yarrow herb, cut	10101205	1
Caelo	Yarrow herb, cut	11280511	6
Caelo	Yarrow herb, cut	11280517	2
Caelo	Yarrow herb, cut	11306301	1
Caelo	Yarrow herb, cut	11306303	2
Caelo	Yarrow herb, cut	11306304	1
Caelo	Yarrow herb, cut	12041302	1
Caelo	Yarrow herb, cut	11280512	7
Caelo	Yarrow herb, cut	10081301	1
Caelo	Yarrow herb, cut	12338306-3358319071	1
Caelo	Yarrow herb, cut	11280503	1
Caelo	Yarrow herb, cut	12379602	17
Caelo	Yarrow herb, cut	13029107-3418310182	1
Caelo	Yarrow herb, cut	12379603	5
Caelo	Yarrow herb, cut	12379606	10
Caelo	Yarrow herb, cut	12338303	10
Caelo	Yarrow herb, cut	9101311	1
Caelo	Yarrow herb, cut	8011421	1
Caelo	Yarrow herb, cut	H-220313-1	1
Caelo	Yarrow herb, cut	5021302	1
Caelo	Yarrow herb, cut	12379601	11
Caelo	Yarrow herb, cut	9121304	1
Caelo	Yellow chaste weed, cut	512U-01473	1
Caelo	Yellow chaste weed, cut	10244407	1
Caelo	Yellow chaste weed, cut	1024407	1
Caelo	Yellow chaste weed, cut	10244408	1
Caelo	Yellow chaste weed, cut	12170605	2
Caelo	Yellow chaste weed, cut	12170603	1
Caelo	Yellow chaste weed, cut	11293101	5
Caelo	Yellow chaste weed, cut	15029505	1
Caelo	Yellow chaste weed, cut	12170602	1
Caelo	Zedoary root, cut	11091604	1
Caelo	Zedoary root, cut	25111304	1
Caelo	Zedoary root, cut	13010102	4
Caelo	Zedoary root, cut	12125304	2
Caelo	Zedoary root, cut	12125303	1

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Supplier	Substance	Batch	Spectra
Caelo	Zedoary root, cut	nachprüfung	1
Caelo	Zedoary root, cut	111091607	1
Caelo	Zedoary root, cut	11091603	1
Caelo	Zedoary root, cut	13010106	4
Caelo	Zinc acetate dihydrate	12134801	1
Caelo	Zinc acetate dihydrate	12134803	2
Caelo	Zinc acetate dihydrate	12316404	1
Caelo	Zinc acetate dihydrate	12316405	1
Caelo	Zinc acetate dihydrate	12316403	2
Caelo	Zinc acetate dihydrate	71359347	1
Caelo	Zinc acetate dihydrate	15160804	1
Caelo	Zinc sulfate heptahyd...	11095621	1
Caelo	Zinc sulfate heptahyd...	110500201	1
Caelo	Zinc sulfate heptahyd...	12257816	1
Caelo	Zinc sulfate heptahyd...	11095601	1
Caelo	Zinc sulfate heptahyd...	12257802	1
Caelo	Zinc sulfate heptahyd...	12257809	3
Caelo	Zinc sulfate heptahyd...	CH:001/0913	1
Caelo	Zinc sulfate heptahyd...	4012Q-02798	1
Caelo	Zinc sulfate heptahyd...	81554199	1
Caelo	Zinc sulfate heptahyd...	12257818	1
Caelo	Mometasone furoate, m...	12351201	1
Caelo/Noweda	Lactose monohydrate	1523204	1
Caelo/Noweda	Mometasone furoate, m...	15279003	1
Caelo/Noweda	Glucose monohydrate	15413301	1
Caesar & Loretz	Yarrow herb, cut	12379605	4
Caesar & Loretz	Citric acid, anhydrous	15087904	2
Caesar & Loretz	Diltiazem hydrochloride	16190806	2
Caesar & Loretz	Erythromycin	13175610	2
Caesar & Loretz	Kaolin, heavy	13041801	4
Caesar & Loretz	Stearic acid 50	14359310	1
Caesar & Loretz	Trometamol	11160707	3
Caesar & Loretz GmbH	Allantoin	12374403	10
Caesar & Loretz GmbH	Allantoin	12374416	2
Caesar & Loretz GmbH	Cetyl palmitate 15	10068402	2
Caesar & Loretz GmbH	Glucose monohydrate	15413402	2
Caesar & Loretz GmbH	Glucose monohydrate	15180013	2
Caesar & Loretz GmbH	Hawthorn flower	11068206	5
Caesar & Loretz GmbH	Lidocaine hydrochloride	15215201	3
Caesar & Loretz GmbH	Macrogol 4000	14180520	1
Caesar & Loretz GmbH	Magnesium chloride he...	13064223	1
Caesar & Loretz GmbH	Mannitole	14323119	1
Caesar & Loretz GmbH	Morphine hydrochloride	15199711(2)	1
Caesar & Loretz GmbH	Morphine hydrochloride	15199711(1)	1
Caesar & Loretz GmbH	Morphine hydrochloride	15199711	1
Caesar & Loretz GmbH	Morphine hydrochloride	15199712	1
Caesar & Loretz GmbH	Octenidine dihydrochl...	15006210	1
Caesar & Loretz GmbH	Poloxamers 407	15183102	1
Caesar & Loretz GmbH	Potassium sorbate	11261303	1
Caesar & Loretz GmbH	Sodium cyclamate	12105622	2
Caesar & Loretz GmbH	Soy lecithin (instant...	14281603	1
Caesar & Loretz GmbH	Spirolactone	12049129	3
Caesar & Loretz GmbH	Tretinoin	11225515	1
Caesar & Loretz GmbH	Tretinoin	12320211	1
Caesar & Loretz GmbH	Urea	1306421	1
Caesar & Loretz GmbH	Urea	15087103	12
Caesar & Loretz GmbH ...	Betamethasone valerate	10296715	1
Caesar & Loretz GmbH ...	Liquorice root, peeled	11034014	4
Caesar & Loretz GmbH ...	Mallow flower, cut	10357901	2
Caesar & Loretz GmbH ...	Nettle leaf, cut	10291405	3

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Supplier	Substance	Batch	Spectra
Caesar & Loretz GmbH ...	Raspberry leaf, cut	10013408	3
Caesar & Loretz GmbH ...	Ribwort plantain, cut	10315707	5
Caesar & Loretz GmbH ...	Sage leaf, cut	11056109	8
Caesar & Loretz GmbH ...	Salicylic acid	10355916	2
Caesar & Loretz GmbH ...	Senna leaf, cut	11277303	5
Caesar & Loretz GmbH ...	Senna leaf, cut	11041012	1
Caesar & Loretz GmbH ...	Senna pods, tinnevelly	11003003	1
Caesar & Loretz GmbH ...	Urea	11150722	5
Caesar & Loretz GmbH ...	Aluminium chloride he...	12114918	16
Caesar & Loretz GmbH ...	Potassium hydroxide	12057902	2
Caesar & Loretz GmbH ...	Pyridoxine hydrochlor...	11197009	5
Caesar & Loretz GmbH ...	Sage leaf, cut	11056121	4
Caesar & Loretz GmbH ...	Vanillin	10066830	3
Caesar & Loretz GmbH ...	Betamethasone valerate	120801402	5
Caesar & Loretz GmbH ...	Camphor	15316801	2
Caesar & Loretz GmbH ...	Ethacridine lactate m...	15438007	1
Caesar & Loretz GmbH ...	Glucose, anhydrous	15321906	1
Caesar & Loretz GmbH ...	Hydrochlorothiazide	152310	3
Caesar & Loretz GmbH ...	Hydrocortisone acetate	16095404	3
Caesar & Loretz GmbH ...	Lidocaine	16087709	2
Caesar & Loretz GmbH ...	Oxytetracycline hydro...	12328104	1
Caesar & Loretz GmbH ...	Prednisolon dihydroge...	15C19-B05-30885	1
Caesar & Loretz GmbH ...	Saccharin sodium	13205418	2
Caesar & Loretz GmbH...	Aluminium chloride he...	12047508	5
Caesar & Loretz GmbH...	Aluminium chloride he...	12323711	19
Caesar & Loretz GmbH...	Betamethasone valerate	11131914	5
Caesar & Loretz GmbH...	Betamethasone valerate	13091206	3
Caesar & Loretz GmbH...	Betamethasone valerate	13091211	4
Caesar & Loretz GmbH...	Betamethasone valerate	10296707	1
Caesar & Loretz GmbH...	Camphor	11032035	4
Caesar & Loretz GmbH...	Cyanocobalamin	9324102	2
Caesar & Loretz GmbH...	Dexamethasone	10369922	1
Caesar & Loretz GmbH...	Doxylamine hydrogen s...	13A04-N02	6
Caesar & Loretz GmbH...	Ephedrine hydrochloride	11126411	1
Caesar & Loretz GmbH...	Equisetum stem, cut	10375510	1
Caesar & Loretz GmbH...	Erythromycin	13189002	10
Caesar & Loretz GmbH...	Erythromycin	10217208	1
Caesar & Loretz GmbH...	Gentian root, cut	12244603	2
Caesar & Loretz GmbH...	Iodoform	12070501	4
Caesar & Loretz GmbH...	Maté leaf, cut	13118002	8
Caesar & Loretz GmbH...	Menthol	11202910	7
Caesar & Loretz GmbH...	Menthol	12020402	7
Caesar & Loretz GmbH...	Miconazole nitrate	11324904	1
Caesar & Loretz GmbH...	Mometasone furoate, m...	11H10-N04	2
Caesar & Loretz GmbH...	Mometasone furoate, m...	12B22-N01	5
Caesar & Loretz GmbH...	Neomycin sulfate	11/19-N14	7
Caesar & Loretz GmbH...	Nettle leaf, cut	10291423	9
Caesar & Loretz GmbH...	Pyridoxine hydrochlor...	12214115	7
Caesar & Loretz GmbH...	Pyridoxine hydrochlor...	12214102	5
Caesar & Loretz GmbH...	Pyridoxine hydrochlor...	12214119	2
Caesar & Loretz GmbH...	Sage leaf, cut	12370016	6
Caesar & Loretz GmbH...	Sage leaf, cut	12370010	16
Caesar & Loretz GmbH...	Sage leaf, cut	12370002	4
Caesar & Loretz GmbH...	Sage leaf, cut	11347502	6
Caesar & Loretz GmbH...	Selenium yeast	11318111	1
Caesar & Loretz GmbH...	Senna leaf, cut	11277314	4
Caesar & Loretz GmbH...	Senna leaf, cut	11277308	3
Caesar & Loretz GmbH...	Senna leaf, cut	12273103	13
Caesar & Loretz GmbH...	Senna leaf, cut	13136708	6
Caesar & Loretz GmbH...	Senna pods, tinnevelly	12267601	1

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Supplier	Substance	Batch	Spectra
Caesar & Loretz GmbH,...	Senna pods, tinnevely	11003012	1
Caesar & Loretz GmbH,...	Senna pods, tinnevely	11003014	1
Caesar & Loretz GmbH,...	Senna pods, tinnevely	12267603	1
Caesar & Loretz GmbH,...	Sodium hydrogen carbo...	13060102	4
Caesar & Loretz GmbH,...	Soy lecithin (instant...	12139013	2
Caesar & Loretz GmbH,...	Urea	11150736	8
Caesar & Loretz GmbH,...	Urea	12111828	20
Caesar & Loretz GmbH,...	Urea	12111804	12
Caesar & Loretz GmbH,...	Vanillin	12079401	1
Caesar & Loretz GmbH,...	Vanillin	12079412	5
Caesar & Loretz GmbH,...	Wax, yellow	11285008	2
Caesar & Loretz GmbH,...	Wild thyme, cut	11374802	1
Caesar & Loretz/ Noweda	Heavy alkaline bismut...	12145701	1
Caesar & Loretz/ Noweda	Hyssop herb, cut	11374301	1
Caesar & Loretz/ Noweda	Ivy leaf, cut	12225606	5
Caesar & Loretz/AHC	Miconazole nitrate	15137910	1
Caesar & Loretz GmbH	Emulsifying cetostear...	12065703	2
Caesar & Loretz GmbH	Soy lecithin (instant...	13279813	1
Caesar & Loretz GmbH	Urea	13064203	14
Caesar § Lorenz GmbH	Estriol	12298712	1
Caesar § Lorenz GmbH	Thymol	13288806	1
Caesar&Loretz	Camphor	14310719	1
Caesar&Loretz GmbH D...	Miconazole nitrate	12243808	12
Caesar&Loretz GmbH	Clobetasol propionate	15439501	2
Caesar&Loretz GmbH	Clotrimazole	14337814	4
Caesar&Loretz GmbH	Erythromycin	15042807	1
Caesar&Loretz GmbH	Hydrocortisone	12104308	8
Caesar&Loretz GmbH	Oxytetracycline hydro...	15060109	3
Caesar&Loretz GmbH	Prednisolone acetate	15396408	1
Caesar&Loretz GmbH	Sodium citrate	14112502	1
Caesar&Loretz GmbH /A...	Lidocaine hydrochloride	15215303	3
Caesar&Loretz GmbH D...	Senna leaf, cut	12115504	5
Caesar&Loretz GmbH	Urea	12111808	16
Caesar&Loretz GmbH/ A...	Oxalic acid	13353920	1
Caesar&Loretz GmbH/An...	Chloramphenicol	1308017-01	12
Caesar&Loretz GmbH/An...	Hydrocortisone acetate	13155303	8
Caesar&Loretz GmbH/An...	Macrogol 4000	14196017	1
Caesar&Loretz GmbH/An...	Salicylic acid	12374210	6
Caesar&loretz,AHC	Nystatin	14196509	2
Caesar&loretz,Anzag	Nystatin	12158008	9
Caesar&loretz,Anzag	Urea	11150738	3
Caesar&loretz,Phoenix	Erythromycin	13175602	1
Caesar&loretz,Phoenix	Frangula bark, cut	14163104	1
Caesar&loretz,Phoenix	Hydrocortisone	15181004	10
Caesar&loretz,Phoenix	Ladys bedstraw herb,...	14019215	1
Caesar&loretz,Phoenix	Ladys bedstraw herb,...	14019206	1
Caesar&loretz,Phoenix	Marjoram herb, rubbed	14181005	1
Caesar&loretz,Phoenix	Methyl-4-hydroxybenzo...	13268821	1
Caesar&loretz,Phoenix	Metoclopramide hydroc...	14193101	2
Caesar&loretz,Phoenix	Metronidazole	12110410	4
Caesar&loretz,Phoenix	Miconazole nitrate	12374301	6
Caesar&loretz,Phoenix	Neomycin sulfate	12C13-N04	6
Caesar&loretz,Phoenix	Nystatin	1111057-01	13
Caesar&loretz,Phoenix	Nystatin	14363512	2
Caesar&loretz,Phoenix	Nystatin	1218008	1
Caesar&loretz,Phoenix	Nystatin	13173408	2
Caesar&loretz,Phoenix	Salicylic acid	11197104	2
Caesar&loretz,Phoenix	Salicylic acid	9220710	1
Caesar&loretz,Phoenix	Spironolactone	11042603	1
Caesar&loretz,Phoenix	Spironolactone	11042613	1

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Supplier	Substance	Batch	Spectra
Caesar&loretz,Phoenix	Theophylline	12166315	2
Caesar&loretz,Phoenix	Triamcinolone acetonide	12173703	1
Caesar&loretz,Phoenix	Triamcinolone acetonide	12301502	1
Caesar&loretz,Phoenix	Triamcinolone acetonide	11267705	2
Caesar&loretz,Phoenix	Urea	11150713	2
caesar&loretz,phönix	Betamethasone valerate	14188606	1
caesar&loretz,phönix	Erythromycin	15042603	3
caesar&loretz,Phönix	Prednicarbate, micron...	15181411	2
Caesar&loretz,Phönix	Triclosan	15203606	5
Caesar&Loretz/Caesar&...	Urea	15154104	30
Caesar&Loretz/Noweda	Neomycin sulfate	15298904	1
Caesar/Noweda	Aluminium potassium s...	12184411	2
Caesar/Noweda	American liverwort, cut	11254608	1
Caesar/Noweda	Bogbean leaf, cut	1510U-01517	1
Caesar/Noweda	Camphor	1032	1
Caesar/Noweda	Cetostearyl alcohol	2911E-01077	1
Caesar/Noweda	Cetyl palmitate 15	12124811	1
Caesar/Noweda	Cetyl palmitate 15	12228801	1
Caesar/Noweda	Couch grass rhizome, ...	12186813	6
Caesar/Noweda	Diphenhydramine hydro...	12007714	1
Caesar/Noweda	Elder flower, rubbed	4910A-01471	1
Caesar/Noweda	Emulsifying cetostear...	12065707	1
Caesar/Noweda	Emulsifying cetostear...	11343405	1
Caesar/Noweda	Lycopodium herb, cut	1255008	1
Caesar/Noweda	Mullein flower, cut	2810E-01475	1
Caesar/Noweda	Propyl-4-hydroxybenzo...	3710M-01931	1
Caesar/Noweda	Restharrow root, cut	71015/3	2
Caesar/Noweda	Urea	13064208	1
Caesar/Noweda	Wax, yellow	12124811	2
CAESAR-LORETZ /GEHE	Chloral hydrate	14218710	1
caesar&loretz, 09.11...	Podophyllum resin (fr...	11085813	1
Caleo	Dexamethasone	15054602	6
Caleo/ Anzag	Wormwood herb, cut	11285810	6
Caleo/Phoenix	Tannin	14K17-B08-306993	1
calo	Lycopodium herb, cut	11255006	1
Calo/AHD	Camphor	15086803	1
Calo/AHD	Erythromycin	15042605	2
Calo/AHD	Hyaluronic acid sodiu...	14364704	1
Camphor & Allied Prod...	Camphor	1406029-01	1
Camphor & Allied Prod...	Camphor	16209302	1
Canea Pharma/Sanacorp	Ascorbic acid	VC1450	1
canea, gehe	Ascorbic acid	VC1242	1
canea, gehe	Potassium sorbate	13065215	1
carlo	Alfatradiol	10319903	1
carotech	Tocomax 20%	A3_200003_1/5	1
cealo	Tretinoin	13195002	15
Cealo	Calcium hydrogen phos...	12212811	4
Cealo	Ciclopirox olamine	14147403	2
Cealo	Glucose monohydrate	13157017	1
Cealo	Magnesium chloride he...	11354615	1
Cealo	Magnesium chloride he...	112354615	1
Cealo	Pheniramine maleate	12352608	1
Cealo	Sorbitan stearate	13209409	3
Cealo / Noweda	Erythromycin	1205036-02	13
Cealo/ Noweda	Camphor	13108116	1
Cealo/ Noweda	Wool alcohols	13380601	1
Cealo/AHD	Clindamycin hydrochlo...	16D05-B08-325088	1
Cealo/AHD	Paraffin, hard	15295411	2
Cealo/Gehe	Melatonin	10296624	1
Ceasar & Loretz GmbH	Chlorhexidine diacetate	80104278	1

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Supplier	Substance	Batch	Spectra
celo	Ladys bedstraw herb,...	nachprüfung	1
celo	Tall nasturtium herb,...	nachprüfung	1
celo	Yarrow herb, cut	nachprüfung	1
Celo	Agrimony, cut	11374003	1
Celo/ Sanacorp	Salicylic acid	16010908	1
cesar&lorenz/Phönix	Triamcinolone acetonide	13124801	4
Cfm Oskar Tropitzsch	Ubidecarenone	5300001	1
Changsha staherb natu...	Amygdalin	STA-13032202	1
Changzhou Jiaerke Pha...	Progesterone, microni...	1308015-01	4
Changzhou Yabang Phar...	Propranolol hydrochlo...	15F16-B02	1
Chem & Pharma	Ambroxol hydrochloride	AXL0361201310	1
Chiesi/ Now	Clobetasol propionate	13269503	3
Chiesi/Gehe	Clioquinol	13114421	1
China Medica	Hard fat in pastilles	3244303	1
China Medica	Procaine hydrochloride	13109911	1
China Medica	Raspberry leaf, cut	13086703	1
china medica 14.06.2013	Cinnamon rods (Ceylon...	210810	1
china medica 14.06.2013	Rhubarb, cut	20072	1
china medica 14.06.2013	Water plantain rhizom...	30065	1
Chinosol/Anzag	Ethacridine lactate m...	914E-02196	1
Chinosol/Anzag	Ethacridine lactate m...	2112A-02196	1
Clariant - Mindel-Food	Bentonite	1301	1
Cranach-Apotheke	Sodium edetate	11a31-no6	1
Creapure	Creatine	515941	1
Crystal Pharma	Clobetasol propionate	C0054/1	1
Defektur	Matricaria flower	59/13	1
Defektur	Matricaria flower	29/13	1
Defektur	Matricaria flower	10/13	1
Defektur/eigen	Mannitole	1604008-01	4
Degussa / falcento	Creatine	422031	1
Denk	D-(+)-mannose	R-4680	1
Denk	D-galactose		1
Denk	Pyridoxal-5-phosphate	C041402802	1
Dermapharm	8-quinolinol sulfate ...	100804	1
Dermapharm	8-quinolinol sulfate ...	120905	1
Dermapharm	Ethacridine lactate m...	100201	3
Dermapharm	Ethacridine lactate m...	130201	6
Dermapharm	Ethacridine lactate m...	111201	9
Dermapharm	Quinolinol sulfate po...	1470804	1
Dermapharm	Quinolinol sulfate po...	140804	23
Dermapharm	Quinolinol sulfate po...	100804	11
Dermapharm	Quinolinol sulfate po...	140804	1
Dermopharm	Ethacridine lactate m...	141101	3
Dextro	Glucose monohydrate	L0222	1
Dextro Energy	Glucose monohydrate	13171	1
Dextro Energy	Glucose monohydrate	L3270	1
dextro energy / Noweda	Glucose monohydrate	L1299	1
Dextro Energy GmbH/Gehe	Glucose monohydrate	L4274	1
Dextro Energy GmbH/Gehe	Glucose monohydrate	L4163	2
Dextro Energy GmbH/Gehe	Glucose monohydrate	L4164	1
Dextro Energy GmbH/Kr...	Glucose monohydrate	L309212:34	1
Dextro EnergyGmbH	Glucose monohydrate	L4273	1
Dextro EnergyGmbH	Glucose monohydrate	L4036	1
Dextro GmbH/Noweda	Glucose monohydrate	L5301	1
Dextro/Krieger/15.05.13	Glucose monohydrate	13092	1
DIV GH	Macrogol 4000	13/12	1
Dorfmeister	Metronidazole	1212030-02	6
Dorfmeister	Progesterone, microni...	140301-01	1
DOW Chemical Company ...	Hypromellose 4000	14G02-B11-296850	3
Dr. August Wolff	Urea	13E17N02	1

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Supplier	Substance	Batch	Spectra
Dr. Behr	Dimercaptosuccinic acid	WE14020002	1
Dr. Behr	Tyrosine	WE14080018	1
Dr. Behr GmbH	Dimercaptosuccinic acid	WE14070074(003)/14G	1
Dr. Behr GmbH	Glucosamine sulfate 2...	4121205	1
Dr. Behr GmbH	L-glutathione	WE14010014	1
Dr. Behr GmbH	L-glutathione	WE14110006	1
Dr. Paul Lohmann	Magnesium (hydrogen) ...	1077866	3
Dr. Paul Lohmann	Magnesium (hydrogen) ...	1078434	1
Dr. Paul Lohmann	Magnesium (hydrogen) ...	1079474	1
dr.behr	L-glutathione	WE-12070001	1
dr.behr	L-glutathione	WE11020045	1
dr.behr	L-glutathione	PF12E80201	2
dr.behr	Methionine	WE14020068-02	1
Dr.Behr GmbH	Dimercaptosuccinic acid	WE15060032/D1/150500	1
Dr.Hollborn	Vanillin	6082015	1
DSM Nutritional Prod....	Nicotinamide	1106044-01	3
E und J, 22.07.2016	Prednicarbate, micron...	15446306	4
Ebert 24.08.16	Fusidic acid	1510-B02_319452	1
Ebert & Jacobi 12....	Citric acid, anhydrous	1506214	1
Ebert & Jacobi 12....	Xylose	16002301	2
Ebert & Jacobi 08.08.16	Fructose	1604024-01	2
Ebert 04.04.2014	Amiloride hydrochloride	13J08-B04	1
Ebert 17.08.16	Citric acid monohydrate	15185314	1
Ebert KKH 10.10.16	Chloral hydrate	15448308	1
Ebert KKH 13.10.16	Sodium acetate trihyd...	15145209	1
Ebert u. Jacobi 16...	Betamethasone valerate	15/16-B07-317417	2
Ebert u. Jacobi 16...	Progesterone, microni...	15C31-B06-312963	1
Ebert u. Jacobi 16...	Tannin	15091509	2
ebert u.jacobi	Marian thistle fruit	287527	1
Eigen/Defektur	Triamcinolone acetonide	U0544/113530	1
Eigenherstellung	Betamethasone valerate	9070313	1
Eigenherstellung	Glucose monohydrate	180213HJK01	1
Eigenherstellung	Glucose monohydrate	120912HML02	1
Eigenherstellung	Glucose monohydrate	110913HJK02	1
Eigenherstellung	Glucose monohydrate	40615HJK01	1
Eigenherstellung	Glucose monohydrate	110912HML01	1
Eigenherstellung	Glucose monohydrate	30912HML01	1
Eigenherstellung	Glucose monohydrate	160915HML01	1
Eigenherstellung	Lactose monohydrate	40815HMS01	1
Eigenherstellung	Lactose monohydrate	60814HSA01	1
Eigenherstellung	Lactose monohydrate	110913HJK01	1
Eigenherstellung	Lactose monohydrate	40113HJK01	1
Eigenherstellung	Lactose monohydrate	70113HML01	1
Eigenherstellung	Lactose monohydrate	30912HML01	1
Eigenherstellung	Methyl-4-hydroxybenzo...	100912PML01	1
Eigenherstellung	Xylose	80414HJK01	1
El Compra Import	Taurine	1202125	2
Elementar	Calcium citrate tetra...	11602007228939	1
Ensbona/ Sanacorp	Estriol	16053405	3
Ensbona/ Sanacorp	Lidocaine hydrochloride	1606024-01	6
Erika apotheke	Fumitory, cut	11101412	1
Erika apotheke	Hydroxyethylcellulose...	12156901	5
Erika apotheke	Marian thistle fruit	11126704	3
Erika apotheke	Nettle leaf, cut	12184003	23
Erika apotheke	Potassium citrate	12135306	2
Eu Rho	Magnesium (hydrogen) ...	110600401	1
Eu Rho	Sodium hydrogen carbo...	1203030-01	13
EuRho	Aluminium chloride he...	2512I01095	1
EuRho	Aluminium chloride he...	1106017-01	2
EuRho	Aluminium chloride he...	d024a	1

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Supplier	Substance	Batch	Spectra
EuRho	Biotin	111039-01	1
EuRho	Calcium gluconate	12090006-01	1
EuRho	Camphor	2111E-01219	1
EuRho	Cellulose, microcryst...	1201004-02	3
EuRho	Citric acid, anhydrous	L1503027-02	2
EuRho	Clindamycin hydrochlo...	1401041-02	1
EuRho	Clioquinol	1309009-02	11
EuRho	Dithranole	1203025-01	1
EuRho	Fructose	1212015-01	7
EuRho	Gentamicin sulfate	FG1112482	1
EuRho	Glucose monohydrate	1204044-01	8
EuRho	Glucose monohydrate	1108061-02	4
EuRho	Glucose monohydrate	2710Q-02209	1
EuRho	Hydrocortisone	1405001-01	7
EuRho	Hydroxyethylcellulose...	3081202	1
EuRho	Hydroxyethylcellulose...	2512I-03301	1
EuRho	Lactose monohydrate	1112020-01	9
EuRho	Macrogol 4000	1206009-01	1
EuRho	Magnesium sulfate hep...	3512M-01835	1
EuRho	Mannitole	1911M-01844	1
EuRho	Menthol	2910A-01855	1
EuRho	Metronidazole	1406010-01	15
EuRho	Metronidazole	110903002	2
EuRho	Minoxidil	1108039-02	2
EuRho	Minoxidil	1105030-02	1
EuRho	Potassium citrate	1306032-01	4
EuRho	Prednisolone acetate	1306040-03	1
EuRho	Prednisolone, microni...	1012012-02	3
EuRho	Prednisolone, microni...	1012012-01	2
EuRho	Salicylic acid	1206007-01	12
EuRho	Sodium citrate	1412014-01	2
EuRho	Sodium citrate	4611M-01900	1
EuRho	Sodium sulfate decahy...	1210005-01	3
EuRho	Testosterone	1106011-03	6
EuRho	Tetracaine hydrochlor...	1110010-01	9
EuRho	Tetracaine hydrochlor...	2906009V-04	1
EuRho	Triamcinolone acetoneide	1601021-01	9
EuRho	Tricalcium phosphate	13031203	1
EuRho	Triclosan	1202018-01	4
EuRho	Triclosan	1107030-01	6
EuRho	Triclosan	151004501	1
EuRho / 20	Gelatine, white	1106021-01	3
EuRho Anzag ek:3,47EUR	Cetyl alcohol	110505501	1
EuRho/AHD	Tetracycline hydrochl...	1110029-01/Nachprüfu	1
EuRho/Anzag	Sorbitol	4712I-02298	1
Eurho/Phoenix	Midazolam hydrochloride	12L17-N10	1
Eurho/Phoenix	Naphazoline hydrochlo...	4413I-01885	1
EuRho/Phönix	Chloramphenicol	123012-01	1
EuRho/Phönix	Citric acid, anhydrous	L1304042-01	1
EuRho/Phönix	Clotrimazole	1210039-2	1
EuRho/Phönix	Erythromycin	1205035	1
EuRho/Phönix	Magnesium (hydrogen) ...	1202034-02	1
EuRho/Phönix	Mometasone furoate, m...	1307037-01	3
EuRho/Phönix	Sulfacetamide	131201202	1
EuRho/Sanacorp	Tretinoin	130402802	2
euro	Sodium hydrogen carbo...	110902901	1
Euro	Chlortetracycline hyd...	1108051-02	9
Euro	Tretinoin	14111016-01	1
Euro / Jenne	Magnesium sulfate hep...	1401029-01	2
EURO / Sanacorp	Metronidazole	160902801	1

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Supplier	Substance	Batch	Spectra
Euro OCT/Noweda	Tobramycin sulfate	1510035-01	1
Euro OT	Clobetasol propionate	14081018-02	1
Euro OTC	Acetylcysteine	12299010	1
Euro OTC	Acetylcysteine	1307026-02	1
Euro OTC	Acetylcysteine	1408004	1
Euro OTC	Acetylsalicylic acid	1501046-01	2
Euro OTC	Acetylsalicylic acid	815A-01012	1
Euro OTC	Acetylsalicylic acid	1011015-01	1
Euro OTC	Acetylsalicylic acid	1107007-01	4
Euro OTC	Acetylsalicylic acid	1307024-01	8
Euro OTC	Acetylsalicylic acid	20030611-1	1
Euro OTC	Acetylsalicylic acid	1407025-01	8
Euro OTC	Aescin	1310020-01	1
Euro OTC	Alfatradiol	121696	1
Euro OTC	Allantoin	140104601	1
Euro OTC	Allantoin	1401046-01	5
Euro OTC	Allantoin	140601103	1
Euro OTC	Allantoin	1406011-01	6
Euro OTC	Allantoin	1406011-02	1
Euro OTC	alpha-tocopheryl acet...	1507001-01	1
Euro OTC	alpha-tocopheryl acet...	1110021-01	1
Euro OTC	alpha-tocopheryl acet...	1305032-01	2
Euro OTC	alpha-tocopheryl acet...	1110021-02	2
Euro OTC	alpha-tocopheryl acet...	7120	1
Euro OTC	alpha-tocopheryl acet...	1305032-02	1
Euro OTC	alpha-tocopheryl acet...	1406013-01	3
Euro OTC	alpha-tocopheryl acet...	1406013-03	3
Euro OTC	Aluminium chloride he...	120402601	4
Euro OTC	Aluminium chloride he...	1106017-02	3
Euro OTC	Aluminium chloride he...	121001401	4
Euro OTC	Aluminium chloride he...	1204026-02	18
Euro OTC	Aluminium chloride he...	1210012-01	1
Euro OTC	Aluminium chloride he...	1109025-02	5
Euro OTC	Aluminium chloride he...	1103007-01	2
Euro OTC	Aluminium chloride he...	120402602	1
Euro OTC	Aluminium chloride he...	1507002-01	1
Euro OTC	Aluminium chloride he...	2111Q-01095	1
Euro OTC	Aluminium chloride he...	co31a	1
Euro OTC	Aluminium chloride he...	1210014-02-336331909	1
Euro OTC	Aluminium chloride he...	1307011-02	2
Euro OTC	Aluminium chloride he...	1307011-01	10
Euro OTC	Aluminium chloride he...	1213M-01095	1
Euro OTC	Aluminium potassium s...	1004046-02	1
Euro OTC	Ambroxol hydrochloride	1311032-01	1
Euro OTC	Ambroxol hydrochloride	1604035-01	1
Euro OTC	Ammonium chloride	1212017-01	2
Euro OTC	Ammonium chloride	1203029-01	3
Euro OTC	Ammonium chloride	512A-01104	1
Euro OTC	Amygdalin	NF-A20130203	1
Euro OTC	Arginine	L1302006-01	3
Euro OTC	Arginine	L1311033-01	2
Euro OTC	Arginine	L1510019-01	1
Euro OTC	Arginine	L1503033-01	3
Euro OTC	Arginine	L1410018-01	2
Euro OTC	Arginine	L1405020-01	4
Euro OTC	Arginine	1604003-01	1
Euro OTC	Arginine	1105040-01	1
Euro OTC	Arginine	L1209035-01	1
Euro OTC	Arginine	L1102030-01	2
Euro OTC	Arginine	L1206006-01	2

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Supplier	Substance	Batch	Spectra
Euro OTC	Arginine hydrochloride	L1407040-02	1
Euro OTC	Arginine hydrochloride	L1212009-01	3
Euro OTC	Arginine hydrochloride	1306023-01	2
Euro OTC	Arginine hydrochloride	L1407040-01	1
Euro OTC	Arginine hydrochloride	L1506023-01	1
Euro OTC	Ascorbic acid	L1202011-02	1
Euro OTC	Ascorbic acid	28081303	1
Euro OTC	Ascorbic acid	11121302	1
Euro OTC	Ascorbic acid	L-1202011-02	1
Euro OTC	Ascorbic acid	10071418	1
Euro OTC	Ascorbic acid	12061408	1
Euro OTC	Ascorbic acid	17011404	1
Euro OTC	Ascorbic acid	1308008-01	1
Euro OTC	Ascorbic acid	17041406	1
Euro OTC	Beclometasone dipropi...	1203022-03	1
Euro OTC	Beclometasone dipropi...	1203022-01	1
Euro OTC	Beclometasone dipropi...	C0783111020	1
Euro OTC	Betaine hydrochloride	1202008-01	1
Euro OTC	Betaine hydrochloride	1305027-01	2
Euro OTC	Betamethasone dipropi...	1503003-02	6
Euro OTC	Betamethasone dipropi...	150300302	1
Euro OTC	Betamethasone dipropi...	1311023-02	3
Euro OTC	Betamethasone dipropi...	1503003-01	3
Euro OTC	Betamethasone dipropi...	1305041-01	6
Euro OTC	Betamethasone dipropi...	131102301	1
Euro OTC	Betamethasone dipropi...	1311023-01	2
Euro OTC	Betamethasone dipropi...	160103401	1
Euro OTC	Betamethasone dipropi...	13372501	4
Euro OTC	Betamethasone dipropi...	130541-01	1
Euro OTC	Betamethasone dipropi...	13125702	1
Euro OTC	Betamethasone dipropi...	1305041-02	2
Euro OTC	Betamethasone dipropi...	1303006-02	3
Euro OTC	Betamethasone dipropi...	1303006/01	1
Euro OTC	Betamethasone dipropi...	1601034-01	5
Euro OTC	Betamethasone dipropi...	C00044/1A15020	1
Euro OTC	Betamethasone dipropi...	121002001	1
Euro OTC	Betamethasone dipropi...	1311023-01	3
Euro OTC	Betamethasone valerate	1606023-01	3
Euro OTC	Betamethasone valerate	131103901	1
Euro OTC	Betamethasone valerate	1108045-01	6
Euro OTC	Betamethasone valerate	1311039-01	21
Euro OTC	Betamethasone valerate	1406019-01	19
Euro OTC	Betamethasone valerate	120801401	2
Euro OTC	Betamethasone valerate	2014Q1181	1
Euro OTC	Betamethasone valerate	1610010-01	1
Euro OTC	Betamethasone valerate	1311039	1
Euro OTC	Betamethasone valerate	120801404	1
Euro OTC	Betamethasone valerate	1406019-03	15
Euro OTC	Betamethasone valerate	110804503	1
Euro OTC	Betamethasone valerate	110804-02	1
Euro OTC	Betamethasone valerate	1208014-03	6
Euro OTC	Betamethasone valerate	120801403	1
Euro OTC	Betamethasone valerate	140601903	2
Euro OTC	Betamethasone valerate	3313U-01181	1
Euro OTC	Betamethasone valerate	120812-02	1
Euro OTC	Betamethasone valerate	140601901	1
Euro OTC	Betamethasone valerate	1406019-02	18
Euro OTC	Betamethasone valerate	140601902	1
Euro OTC	Betamethasone valerate	2507211181	1
Euro OTC	Betamethasone valerate	1208014-04	12

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Supplier	Substance	Batch	Spectra
Euro OTC	Betamethasone valerate	131139-01	1
Euro OTC	Bifonazole	1510001-02	2
Euro OTC	Bifonazole	13G10N02	1
Euro OTC	Bifonazole	1206027-02	1
Euro OTC	Bifonazole	1510001-02	1
Euro OTC	Bifonazole	1206027-01	2
Euro OTC	Biotin	2041517	1
Euro OTC	Biotin	3021501	1
Euro OTC	Biotin	1111039-01	1
Euro OTC	Biotin	28071506	1
Euro OTC	Biotin	1411047-01	1
Euro OTC	Biotin	1402028-01	3
Euro OTC	Biotin	1301026-01	3
Euro OTC	Biotin	1111039-03	1
Euro OTC	Biotin	1111039-02	2
Euro OTC	Budesonide, micronized	1311022-01	2
Euro OTC	Caffeine	1411015-01	1
Euro OTC	Caffeine	26081406	1
Euro OTC	Caffeine	188921AX20	1
Euro OTC	Caffeine	1503020-02	2
Euro OTC	Caffeine	1411015-01	3
Euro OTC	Caffeine	1109017-01	1
Euro OTC	Caffeine	1307049-01	1
Euro OTC	Caffeine	1307049-01	3
Euro OTC	Caffeine	1211012-02	1
Euro OTC	Caffeine	1109017-01	1
Euro OTC	Caffeine	1211012-01	1
Euro OTC	Calcium ascorbate	L15218-2	1
Euro OTC	Calcium ascorbate	L1508017-01	1
Euro OTC	Calcium ascorbate	L1502018-01	1
Euro OTC	Calcium citrate tetra...	1502012-02	2
Euro OTC	Calcium citrate tetra...	1305018-02	3
Euro OTC	Calcium citrate tetra...	1040896	1
Euro OTC	Calcium citrate tetra...	1305018-01	6
Euro OTC	Calcium citrate tetra...	1107012-01	1
Euro OTC	Calcium citrate tetra...	1402003-01	4
Euro OTC	Calcium citrate tetra...	1058904	1
Euro OTC	Calcium citrate tetra...	1408017-01	2
Euro OTC	Calcium citrate tetra...	1509039-02	2
Euro OTC	Calcium citrate tetra...	13031204	1
Euro OTC	Calcium citrate tetra...	1502012-2	1
Euro OTC	Calcium citrate tetra...	1502021-02	1
Euro OTC	Calcium citrate tetra...	140801701	1
Euro OTC	Calcium citrate tetra...	1211007-01	6
Euro OTC	Calcium citrate tetra...	3006222	1
Euro OTC	Calcium citrate tetra...	14020031	1
Euro OTC	Calcium gluconate	1105027-02	4
Euro OTC	Calcium gluconate	1407041-01	1
Euro OTC	Calcium gluconate	1209006-01	1
Euro OTC	Calcium gluconate	1209006-01	12
Euro OTC	Calcium gluconate	20270912-1	1
Euro OTC	Calcium gluconate	1304012-01	7
Euro OTC	Calcium gluconate	115027-01	1
Euro OTC	Calcium gluconate	1209006	1
Euro OTC	Calcium gluconate	Ch1304012	1
Euro OTC	Calcium gluconate	130401202	1
Euro OTC	Calcium gluconate	140704101	1
Euro OTC	Calcium gluconate	1407041-02	5
Euro OTC	Calcium gluconate	140704102	2
Euro OTC	Calcium gluconate	Ch1407041-01	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Calcium gluconate	1304012-02	2
Euro OTC	Calcium gluconate	1105027-01	3
Euro OTC	Calcium gluconate	1407041-01	1
Euro OTC	Calcium gluconate	1304012-02	4
Euro OTC	Calcium gluconate	1304012-01	1
Euro OTC	Calcium gluconate	1105027	1
Euro OTC	Calcium gluconate	513-Q1211	1
Euro OTC	Calcium orotate dihyd...	1009035-01	2
Euro OTC	Calcium orotate dihyd...	1203037-01	2
Euro OTC	Calcium orotate dihyd...	1401006-01	1
Euro OTC	Calcium pantothenate	1312027-01	3
Euro OTC	Calcium pantothenate	1209022-01	2
Euro OTC	Calcium pantothenate	1305034-01	4
Euro OTC	Calcium pantothenate	1111025-01	4
Euro OTC	Calcium pantothenate	1209022-02pzn	1
Euro OTC	Calcium pantothenate	1410011-01	1
Euro OTC	Calcium pantothenate	1410011-02	3
Euro OTC	Calcium pantothenate	130503401	1
Euro OTC	Calcium pantothenate	17021401	1
Euro OTC	Calcium pantothenate	1209022-02	1
Euro OTC	Calcium pantothenate	120902202	1
Euro OTC	Calcium pantothenate	1603042-01	1
Euro OTC	Calcium pantothenate	5121405	1
Euro OTC	Calcium pantothenate	10021505	1
Euro OTC	Camphor	1106007-02	1
Euro OTC	Camphor	1406029-02	1
Euro OTC	Camphor	1309019-02	1
Euro OTC	Camphor	1210030-02	6
Euro OTC	Camphor	121003001	1
Euro OTC	Camphor	1210030-01	1
Euro OTC	Camphor	2803020-01	1
Euro OTC	Camphor	1101029-02	1
Euro OTC	Camphor	1210030-01	12
Euro OTC	Camphor	1412023-01	1
Euro OTC	Camphor	1303013-02	13
Euro OTC	Camphor	113Q-01221	1
Euro OTC	Camphor	1101029-02/Ch241011	1
Euro OTC	Camphor	1303013-01	6
Euro OTC	Camphor	1202021	1
Euro OTC	Camphor	1202021-02	3
Euro OTC	Capsaicin, natural	1401043-02	1
Euro OTC	Captopril	15189507	3
Euro OTC	Carbomer 35000 / 50000	1512010-02	1
Euro OTC	Carbomer 35000 / 50000	1311027-01	4
Euro OTC	Carbomer 35000 / 50000	1512010-01	5
Euro OTC	Carbomer 35000 / 50000	1604032-01	1
Euro OTC	Carbomer 35000 / 50000	1202020-01	2
Euro OTC	Carbomer 35000 / 50000	1305007-01	2
Euro OTC	Carbomer 35000 / 50000	1607028-01	1
Euro OTC	Carbomer 35000 / 50000	101616773	1
Euro OTC	Carbomer 35000 / 50000	1210037-01	8
Euro OTC	Carbomer 35000 / 50000	101217279	1
Euro OTC	Carbomer 35000 / 50000	141000101	1
Euro OTC	Carbomer 35000 / 50000	4311027-01	1
Euro OTC	Carbomer 35000 / 50000	1410001-01	8
Euro OTC	Carbomer 35000 / 50000	1311027-02	6
Euro OTC	Cellulose, microcryst...	1211037-01	4
Euro OTC	Cellulose, microcryst...	1604029-01	1
Euro OTC	Cellulose, microcryst...	700204	1
Euro OTC	Cellulose, microcryst...	1410002-01	4

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Supplier	Substance	Batch	Spectra
Euro OTC	Cellulose, microcryst...	121103701	1
Euro OTC	Cellulose, microcryst...	135010001	1
Euro OTC	Cellulose, microcryst...	1309001-02	2
Euro OTC	Cellulose, microcryst...	150702201	1
Euro OTC	Cellulose, microcryst...	1309001-01	2
Euro OTC	Centaury, cut	272897	3
Euro OTC	Cetostearyl alcohol	1404019-02	1
Euro OTC	Cetostearyl alcohol	1107035-01	1
Euro OTC	Cetostearyl alcohol	1404019-01	2
Euro OTC	Cetostearyl alcohol	150401001	1
Euro OTC	Cetostearyl alcohol	1305035-01	1
Euro OTC	Cetostearyl alcohol	1204015-01	1
Euro OTC	Cetostearyl alcohol	20270912-2	1
Euro OTC	Cetostearyl alcohol	130503501	1
Euro OTC	Cetostearyl alcohol	1212019-01	1
Euro OTC	Cetyl alcohol	1211002-01	3
Euro OTC	Cetyl alcohol	1105055-01	1
Euro OTC	Cetyl alcohol	1206020-01	2
Euro OTC	Chloral hydrate	14218702	1
Euro OTC	Chloramphenicol	1203012-12	1
Euro OTC	Chloramphenicol	1107002-01	3
Euro OTC	Chloramphenicol	13111410	1
Euro OTC	Chloramphenicol	1308017.01	1
Euro OTC	Chloramphenicol	130801702	1
Euro OTC	Chloramphenicol	1302034-01	1
Euro OTC	Chloramphenicol	120901902	3
Euro OTC	Chloramphenicol	1407043	1
Euro OTC	Chloramphenicol	1203012-01	8
Euro OTC	Chloramphenicol	B:1006047-02	1
Euro OTC	Chloramphenicol	1209019-01	13
Euro OTC	Chloramphenicol	110700202	1
Euro OTC	Chloramphenicol	T02-55/1407043-01	1
Euro OTC	Chloramphenicol	DY130525	2
Euro OTC	Chloramphenicol	1602002-03	1
Euro OTC	Chloramphenicol	1602002-02	2
Euro OTC	Chloramphenicol	2121211203012-0	1
Euro OTC	Chloramphenicol	150203603	1
Euro OTC	Chloramphenicol	1502036-03	9
Euro OTC	Chloramphenicol	1502036-02	5
Euro OTC	Chloramphenicol	150203601	1
Euro OTC	Chloramphenicol	1509211259	1
Euro OTC	Chloramphenicol	1012013-01	2
Euro OTC	Chloramphenicol	130801701	1
Euro OTC	Chloramphenicol	314Q1259	1
Euro OTC	Chloramphenicol	1407043-01	15
Euro OTC	Chloramphenicol	1302024-02	9
Euro OTC	Chloramphenicol	1302024-01	11
Euro OTC	Chloramphenicol	1209019-02	13
Euro OTC	Chloramphenicol	1209010-02	4
Euro OTC	Chloramphenicol	120250	1
Euro OTC	Chlorhexidine diacetate	10154430	1
Euro OTC	Chlortetracycline hyd...	1412008-03	1
Euro OTC	Chlortetracycline hyd...	5113I01155	1
Euro OTC	Chlortetracycline hyd...	2901009V-03	1
Euro OTC	Chlortetracycline hyd...	1412008-01	1
Euro OTC	Chlortetracycline hyd...	1108051-01	11
Euro OTC	Chlortetracycline hyd...	4612Q-01155	1
Euro OTC	Chlortetracycline hyd...	1604015-01	1
Euro OTC	Chlortetracycline hyd...	1412008-03	1
Euro OTC	Chlortetracycline hyd...	1412008-02	6

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Supplier	Substance	Batch	Spectra
Euro OTC	Chlortetracycline hyd...	141200802	1
Euro OTC	Cholecalciferol dry c...	P500238	1
Euro OTC	Cholecalciferol dry c...	L1403012-01	1
Euro OTC	Cholecalciferol dry c...	1012025-01	1
Euro OTC	Cholecalciferol dry c...	1304016-01	1
Euro OTC	Cholecalciferol dry c...	1210051-01	2
Euro OTC	Choline hydrogen tart...	1405017-01	1
Euro OTC	Choline hydrogen tart...	L1208016-01	1
Euro OTC	Choline hydrogen tart...	1303021-01	2
Euro OTC	Choline hydrogen tart...	1501024-01	3
Euro OTC	Choline hydrogen tart...	1309023-01	3
Euro OTC	Chromium yeast 0.2%	L1311026-01	1
Euro OTC	Chromium yeast 0.2%	1406030-01	1
Euro OTC	Chromium yeast 0.2%	L1502003-01	1
Euro OTC	Chromium yeast 0.2%	1303028-01	1
Euro OTC	Chromium yeast 0.2%	L1406030-01	1
Euro OTC	Chromium yeast 0.2%	L1507039-01	1
Euro OTC	Citric acid, anhydrous	1406014-02	1
Euro OTC	Citric acid, anhydrous	702260	1
Euro OTC	Citric acid, anhydrous	L130404201	2
Euro OTC	Citric acid, anhydrous	L1508013-01	2
Euro OTC	Citric acid, anhydrous	L1202001-02	2
Euro OTC	Citric acid, anhydrous	L1304042.02	1
Euro OTC	Citric acid, anhydrous	L1202001-01	6
Euro OTC	Citric acid, anhydrous	1011047-01	1
Euro OTC	Citric acid, anhydrous	L1408011-01	1
Euro OTC	Citric acid, anhydrous	L1408011-02	1
Euro OTC	Citric acid, anhydrous	L1304042-02	1
Euro OTC	Citrulline	L1506014-01	1
Euro OTC	Clindamycin hydrochlo...	25071401	1
Euro OTC	Clindamycin hydrochlo...	700168	1
Euro OTC	Clindamycin hydrochlo...	1510038-01	6
Euro OTC	Clindamycin hydrochlo...	140104102	1
Euro OTC	Clindamycin hydrochlo...	1111058-01	10
Euro OTC	Clindamycin hydrochlo...	1511004-01	3
Euro OTC	Clindamycin hydrochlo...	1401041-01	8
Euro OTC	Clindamycin hydrochlo...	1111058-03	3
Euro OTC	Clindamycin hydrochlo...	130709X8	1
Euro OTC	Clindamycin hydrochlo...	2908019V-03	5
Euro OTC	Clindamycin hydrochlo...	813M-03534	1
Euro OTC	Clindamycin hydrochlo...	T03-05/1401041-01	1
Euro OTC	Clindamycin hydrochlo...	1111058-02	3
Euro OTC	Clindamycin hydrochlo...	111158-01	1
Euro OTC	Clindamycin hydrochlo...	140104101	1
Euro OTC	Clioquinol	121034-02	1
Euro OTC	Clioquinol	1213A-02562	1
Euro OTC	Clioquinol	13010104-03	1
Euro OTC	Clioquinol	130900902	1
Euro OTC	Clioquinol	150903801	1
Euro OTC	Clioquinol	1509038-02	6
Euro OTC	Clioquinol	1309009-01	9
Euro OTC	Clioquinol	1303009-02	1
Euro OTC	Clioquinol	1301014-02	1
Euro OTC	Clioquinol	1301014-02	5
Euro OTC	Clioquinol	1301014-01	3
Euro OTC	Clioquinol	1201034-02	14
Euro OTC	Clioquinol	1509038	1
Euro OTC	Clioquinol	1102022-02	7
Euro OTC	Clioquinol	1409031-01	5
Euro OTC	Clioquinol	150903802	2

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Supplier	Substance	Batch	Spectra
Euro OTC	Clioquinol	1509038-01	9
Euro OTC	Clioquinol	2507212562	1
Euro OTC	Clioquinol	1305070109	1
Euro OTC	Clioquinol	1409031-02	4
Euro OTC	Clioquinol	1509038-03	2
Euro OTC	Clioquinol	140903101	1
Euro OTC	Clioquinol	B:2905031-03	1
Euro OTC	Clobetasol propionate	121121-04	1
Euro OTC	Clobetasol propionate	1211021-04	19
Euro OTC	Clobetasol propionate	130604002	1
Euro OTC	Clobetasol propionate	1211021/02	1
Euro OTC	Clobetasol propionate	1108044	1
Euro OTC	Clobetasol propionate	2111I-02835	1
Euro OTC	Clobetasol propionate	2405212835	1
Euro OTC	Clobetasol propionate	1108044-01	6
Euro OTC	Clobetasol propionate	121102101	2
Euro OTC	Clobetasol propionate	1211021-01	24
Euro OTC	Clobetasol propionate	80616-1	1
Euro OTC	Clobetasol propionate	CL0-BL2322/1012	3
Euro OTC	Clobetasol propionate	1004036-03	2
Euro OTC	Clobetasol propionate	1408018-01	15
Euro OTC	Clobetasol propionate	140801801	1
Euro OTC	Clobetasol propionate	12110-01	1
Euro OTC	Clobetasol propionate	1408018-02	35
Euro OTC	Clobetasol propionate	1204037-01	1
Euro OTC	Clobetasol propionate	1408018-03	9
Euro OTC	Clobetasol propionate	140808-02	1
Euro OTC	Clobetasol propionate	18111403	1
Euro OTC	Clobetasol propionate	1108044-037-16	1
Euro OTC	Clobetasol propionate	121K021-01	1
Euro OTC	Clobetasol propionate	121102-01	1
Euro OTC	Clobetasol propionate	1406018-01	1
Euro OTC	Clobetasol propionate	1108044-03	24
Euro OTC	Clobetasol propionate	1108044-02	14
Euro OTC	Clobetasol propionate	1105044-04	1
Euro OTC	Clobetasol propionate	1408015-01	1
Euro OTC	Clobetasol propionate	4091512	1
Euro OTC	Clotrimazole	700135	1
Euro OTC	Clotrimazole	1306036	2
Euro OTC	Clotrimazole	151003-01	1
Euro OTC	Clotrimazole	1510003-02	6
Euro OTC	Clotrimazole	1510003-01	22
Euro OTC	Clotrimazole	130603601	3
Euro OTC	Clotrimazole	14144914	5
Euro OTC	Clotrimazole	1210039-02	26
Euro OTC	Clotrimazole	1105014-02	4
Euro OTC	Clotrimazole	1105014-01	1
Euro OTC	Clotrimazole	1006044-02	1
Euro OTC	Clotrimazole	23121408	1
Euro OTC	Clotrimazole	2214A-01276	1
Euro OTC	Clotrimazole	1607046-01	10
Euro OTC	Clotrimazole	140927-01	1
Euro OTC	Clotrimazole	1409027	4
Euro OTC	Clotrimazole	1314Q1276	1
Euro OTC	Clotrimazole	1309054-02	1
Euro OTC	Clotrimazole	130903402	1
Euro OTC	Clotrimazole	1309034-02	22
Euro OTC	Clotrimazole	130903401	3
Euro OTC	Clotrimazole	130636-01	2
Euro OTC	Clotrimazole	1409027-04	14

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Supplier	Substance	Batch	Spectra
Euro OTC	Clotrimazole	1409027-03	12
Euro OTC	Clotrimazole	140902702	2
Euro OTC	Clotrimazole	1409027-02	30
Euro OTC	Clotrimazole	140902701	2
Euro OTC	Clotrimazole	1409027-01	22
Euro OTC	Clotrimazole	110501402	1
Euro OTC	Clotrimazole	1203040-03	17
Euro OTC	Clotrimazole	1209211276	1
Euro OTC	Clotrimazole	1210039-01	31
Euro OTC	Clotrimazole	1309034-01	20
Euro OTC	Clotrimazole	12I21-N01	8
Euro OTC	Clotrimazole	121003901	3
Euro OTC	Clotrimazole	6051501	1
Euro OTC	Clotrimazole	2313M01276	1
Euro OTC	Clotrimazole	30011402	1
Euro OTC	Clotrimazole	3912E-01276	1
Euro OTC	Clotrimazole	1203040-02	13
Euro OTC	Clotrimazole	1203040-01	4
Euro OTC	Clotrimazole	1108053-02	10
Euro OTC	Clotrimazole	110805301	1
Euro OTC	Clotrimazole	1203040	2
Euro OTC	Cocoa butter	11079604	1
Euro OTC	Cocoa butter	13140409	2
Euro OTC	Copper orotate dihydr...	1206035-01	2
Euro OTC	Copper orotate dihydr...	2106001Z-01	1
Euro OTC	Cyanocobalamin	5061204	1
Euro OTC	Cysteine hydrochlorid...	1408003-01	1
Euro OTC	Cysteine hydrochlorid...	1603018-01	1
Euro OTC	Cysteine hydrochlorid...	1311040-01	2
Euro OTC	Cysteine hydrochlorid...	1206015-01	2
Euro OTC	Cysteine hydrochlorid...	1304019-01	5
Euro OTC	Cysteine hydrochlorid...	1112015-01	2
Euro OTC	Cysteine hydrochlorid...	14080031-01	1
Euro OTC	Cysteine hydrochlorid...	1408003-01	3
Euro OTC	Cystine	2081301	1
Euro OTC	Cystine	3021502	1
Euro OTC	Cystine	26081408	1
Euro OTC	Cystine	1207013-01	3
Euro OTC	Cystine	1204090	1
Euro OTC	D-(+)-mannose	L1111005-01	2
Euro OTC	Dandelion herb with r...	11030312	6
Euro OTC	Deoxycholic acid	1305051-01	1
Euro OTC	Dequalinium chloride	1407029-01	4
Euro OTC	Dequalinium chloride	1405012-01	1
Euro OTC	Dequalinium chloride	1405012-02	1
Euro OTC	Dequalinium chloride	1405012-02	2
Euro OTC	Dequalinium chloride	1407029-02	2
Euro OTC	Dequalinium chloride	121000803	1
Euro OTC	Dequalinium chloride	1103045-01	1
Euro OTC	Dequalinium chloride	15061204	1
Euro OTC	Dequalinium chloride	1210008-03	2
Euro OTC	Dequalinium chloride	1210008-02	1
Euro OTC	Dequalinium chloride	151203201	1
Euro OTC	Dequalinium chloride	1210008-01	2
Euro OTC	Dequalinium chloride	1010022-01	2
Euro OTC	Dequalinium chloride	1110002-01	4
Euro OTC	Dequalinium chloride	1210008-02	1
Euro OTC	Dexamethasone	111105501	1
Euro OTC	Dexamethasone	1512211327	1
Euro OTC	Dexamethasone	1601052-01	3

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Supplier	Substance	Batch	Spectra
Euro OTC	Dexamethasone	14D11-B01-294031	1
Euro OTC	Dexamethasone	1303007-03	5
Euro OTC	Dexamethasone	1303007-02	3
Euro OTC	Dexamethasone	130300702	2
Euro OTC	Dexamethasone	130300701	4
Euro OTC	Dexamethasone	10369920	9
Euro OTC	Dexamethasone	1209008-01	9
Euro OTC	Dexamethasone	1209008-02	24
Euro OTC	Dexamethasone	120900802	3
Euro OTC	Dexamethasone	13030007	1
Euro OTC	Dexamethasone	1303007	1
Euro OTC	Dexamethasone	1601052-02	1
Euro OTC	Dexamethasone	DZ11005K	1
Euro OTC	Dexamethasone	B: 1111055-01	1
Euro OTC	Dexamethasone	5213A1327	1
Euro OTC	Dexamethasone	2803211327	1
Euro OTC	Dexamethasone	1209008	1
Euro OTC	Dexamethasone	1209006-02	1
Euro OTC	Dexamethasone	DB003/0213	2
Euro OTC	Dexamethasone	1107006-01	1
Euro OTC	Dexamethasone	110700601	1
Euro OTC	Dexamethasone	1111055-01	8
Euro OTC	Dexamethasone	1111055-02	3
Euro OTC	Dexamethasone	12030320	1
Euro OTC	Dexamethasone acetate	140502402	1
Euro OTC	Dexamethasone acetate	1405024-01	1
Euro OTC	Dexamethasone acetate	1405024-03	4
Euro OTC	Dexamethasone acetate	1405024-02	2
Euro OTC	Dexamethasone acetate	1110007-02	6
Euro OTC	Dexamethasone acetate	1110007-03	1
Euro OTC	Diclofenac sodium	1111040-01	1
Euro OTC	Diclofenac sodium	12214220	1
Euro OTC	Diclofenac sodium	111104001	1
Euro OTC	Diclofenac sodium	25041403	1
Euro OTC	Diclofenac sodium	1206026	1
Euro OTC	Diclofenac sodium	1607016-01	1
Euro OTC	Diclofenac sodium	1503014-02	2
Euro OTC	Diclofenac sodium	1403013-02	5
Euro OTC	Diclofenac sodium	1403013-01	4
Euro OTC	Diclofenac sodium	11091404	1
Euro OTC	Diclofenac sodium	13111203	1
Euro OTC	Diclofenac sodium	1206026-02	5
Euro OTC	Dithranole	1008011-01	1
Euro OTC	Dithranole	1311029-01	2
Euro OTC	Dithranole	20280812-1	1
Euro OTC	Dithranole	2902060-02	1
Euro OTC	Dithranole	56/11072013	1
Euro OTC	Dithranole	B: 1008011-01	1
Euro OTC	Dithranole	DT/370/2012	1
Euro OTC	Dithranole	1203025-02	20
Euro OTC	Dithranole	1008011-02	3
Euro OTC	Emulsifying cetostear...	1305035-01	2
Euro OTC	Emulsifying cetostear...	1404019-02	1
Euro OTC	Emulsifying cetostear...	15271410	1
Euro OTC	Emulsifying cetostear...	1003050-01	1
Euro OTC	Emulsifying cetostear...	10836573	1
Euro OTC	Emulsifying cetostear...	1404019-01	1
Euro OTC	Emulsifying cetostear...	15271403	4
Euro OTC	Equisetum stem, cut	3831A130610	2
Euro OTC	Erythromycin	130801601	6

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Supplier	Substance	Batch	Spectra
Euro OTC	Erythromycin	1308016-01	29
Euro OTC	Erythromycin	14090-9-01	1
Euro OTC	Erythromycin	700770	1
Euro OTC	Erythromycin	14044205	4
Euro OTC	Erythromycin	1205036-01	8
Euro OTC	Erythromycin	120503602	2
Euro OTC	Erythromycin	1607038-01	4
Euro OTC	Erythromycin	EBS/1205-M-040	1
Euro OTC	Erythromycin	1308016-1	1
Euro OTC	Erythromycin	140901901	5
Euro OTC	Erythromycin	1409019-01	17
Euro OTC	Erythromycin	EBS/1205-M-041	1
Euro OTC	Erythromycin	12A02-N06	1
Euro OTC	Erythromycin	1409019-02	19
Euro OTC	Erythromycin	140901902	3
Euro OTC	Erythromycin	130801602	4
Euro OTC	Erythromycin	1308016-02	28
Euro OTC	Erythromycin	EBS/1307-BM-001	1
Euro OTC	Erythromycin	1508034-01	16
Euro OTC	Erythromycin	3613A1362	1
Euro OTC	Erythromycin	4112Q-01362	1
Euro OTC	Erythromycin	15080-01	1
Euro OTC	Erythromycin	1013u-01362	1
Euro OTC	Erythromycin	1106036-05	14
Euro OTC	Erythromycin	EBS/1408-BM-001	1
Euro OTC	Erythromycin	1106036-04	4
Euro OTC	Erythromycin	80616-4	1
Euro OTC	Estradiol benzoate	1201019-02	14
Euro OTC	Estradiol benzoate	1401001-01	9
Euro OTC	Estradiol benzoate	8011422	1
Euro OTC	Estradiol benzoate	1007037-02	2
Euro OTC	Estradiol benzoate	1201019-01	7
Euro OTC	Estradiol benzoate	14010001-01	1
Euro OTC	Estradiol benzoate	1301006-02	9
Euro OTC	Estradiol benzoate	130100601	1
Euro OTC	Estradiol benzoate	1301006-01	2
Euro OTC	Estradiol benzoate	1412033-01	2
Euro OTC	Estradiol benzoate	150700901	1
Euro OTC	Estradiol benzoate	1507009-01	2
Euro OTC	Estradiol benzoate	121019-01	1
Euro OTC	Estradiol benzoate	1412033-01	4
Euro OTC	Estradiol benzoate	1507009-01	1
Euro OTC	Estradiol hemihydrate	14G24-B04-297402	4
Euro OTC	Estradiol hemihydrate	1411024-01	1
Euro OTC	Estradiol hemihydrate	1601017-01	1
Euro OTC	Estradiol hemihydrate	1404030-01	1
Euro OTC	Estradiol hemihydrate	1607003-01	1
Euro OTC	Estradiol hemihydrate	1510039-01	1
Euro OTC	Estradiol hemihydrate	1308003-01	2
Euro OTC	Estriol	1409018-01	2
Euro OTC	Estriol	1403011-01	1
Euro OTC	Estriol	1409018-01	1
Euro OTC	Estriol	1403011-01	2
Euro OTC	Estriol	1201020-01	1
Euro OTC	Estriol	1310002-01	1
Euro OTC	Estriol	1606044-01	1
Euro OTC	Ethacridine lactate m...	2905007v-03	1
Euro OTC	Ethacridine lactate m...	1206016-03	3
Euro OTC	Ethacridine lactate m...	2905007-01	2
Euro OTC	Ethacridine lactate m...	1206016-02	2

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Supplier	Substance	Batch	Spectra
Euro OTC	Ethacridine lactate m...	2905007V-03	2
Euro OTC	Ethacridine lactate m...	13/24-N03	4
Euro OTC	Finasteride (form III)	1411008-01	1
Euro OTC	Finasteride (form III)	1403016-02	1
Euro OTC	Fluocinolonacetoneid, ...	1408022-01	2
Euro OTC	Fluocinolonacetoneid, ...	2840013E-02	1
Euro OTC	Fluocinolonacetoneid, ...	2804013E-01	1
Euro OTC	Folic acid	1401005-01	2
Euro OTC	Folic acid	1307041-01	1
Euro OTC	Fructose	1201017-01	3
Euro OTC	Fructose	1503045-01	4
Euro OTC	Fructose	1307022-01	6
Euro OTC	Fructose	1509037-01	2
Euro OTC	Fructose	1209010-01	3
Euro OTC	Fructose	121201-01pzn	2
Euro OTC	Fructose	1410009-01	4
Euro OTC	Fructose	141000901	3
Euro OTC	Fructose	1401004-01	7
Euro OTC	Fructose	1512009-01	2
Euro OTC	Gentamicin sulfate	140702404	2
Euro OTC	Gentamicin sulfate	130504703	1
Euro OTC	Gentamicin sulfate	1205021-02	1
Euro OTC	Gentamicin sulfate	1305047-03	1
Euro OTC	Gentamicin sulfate	1407024-01	3
Euro OTC	Gentamicin sulfate	1407024	1
Euro OTC	Gentamicin sulfate	140702403	1
Euro OTC	Gentamicin sulfate	1407024-03	1
Euro OTC	Gentamicin sulfate	130504703	1
Euro OTC	Gentamicin sulfate	1205021-02	4
Euro OTC	Gentamicin sulfate	130504701	1
Euro OTC	Gentamicin sulfate	1305047-01	3
Euro OTC	Gentamicin sulfate	1305047-03	8
Euro OTC	Gentamicin sulfate	1407024-04	4
Euro OTC	Gentamicin sulfate	150601602	1
Euro OTC	Gentamicin sulfate	1604054-02	1
Euro OTC	Gentamicin sulfate	16004054-02	1
Euro OTC	Gentamicin sulfate	1106016-02	3
Euro OTC	Gentamicin sulfate	16004054-01	1
Euro OTC	Gentamicin sulfate	1106016-03	4
Euro OTC	Gentamicin sulfate	110616-01	1
Euro OTC	Gentamicin sulfate	1506016-02	12
Euro OTC	Gentamicin sulfate	1305047-03	7
Euro OTC	Gentamicin sulfate	1407024-4	1
Euro OTC	Gentamicin sulfate	1205021-01	12
Euro OTC	Gentamicin sulfate	FG11112482	1
Euro OTC	Gentamicin sulfate	1205021-01	1
Euro OTC	Gentamicin sulfate	2911034-02	1
Euro OTC	Gentamicin sulfate	80616-2	1
Euro OTC	Gentamicin sulfate	1205021-ß2	1
Euro OTC	Glucose monohydrate	15180010	2
Euro OTC	Glucose monohydrate	1509006-02	1
Euro OTC	Glucose monohydrate	1305030-01	6
Euro OTC	Glucose monohydrate	1607024-01	2
Euro OTC	Glucose monohydrate	1604006-02	4
Euro OTC	Glucose monohydrate	1601016-01	10
Euro OTC	Glucose monohydrate	1305030	1
Euro OTC	Glucose monohydrate	1601016-02	1
Euro OTC	Glucose monohydrate	1210034-01	14
Euro OTC	Glucose monohydrate	1204044-02	10
Euro OTC	Glucose monohydrate	2313E-02209	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Glucose monohydrate	96-01	1
Euro OTC	Glucose monohydrate	1103027-01	2
Euro OTC	Glucose monohydrate	1210034-02	11
Euro OTC	Glucose monohydrate	1114U2209	1
Euro OTC	Glucose monohydrate	1108061-01	7
Euro OTC	Glucose monohydrate	1401019-01	17
Euro OTC	Glucose monohydrate	150402801	1
Euro OTC	Glucose monohydrate	1410019-02	1
Euro OTC	Glucose monohydrate	141001901	1
Euro OTC	Glucose monohydrate	1504028-02	5
Euro OTC	Glucose monohydrate	1410019-01	7
Euro OTC	Glucose monohydrate	3413Q-02209	1
Euro OTC	Glucose monohydrate	140101901	1
Euro OTC	Glucose monohydrate	2023012-1	1
Euro OTC	Glucose monohydrate	1305030-02	1
Euro OTC	Glucose monohydrate	1504028-01	10
Euro OTC	Glucose monohydrate	2013U-02209	1
Euro OTC	Glucose monohydrate	1601312209	1
Euro OTC	Glucose monohydrate	1406212209	1
Euro OTC	Glucose monohydrate	E267X	1
Euro OTC	Glucose monohydrate	1509006-01	8
Euro OTC	Glucose monohydrate	1405004-02	2
Euro OTC	Glucose monohydrate	140500402	1
Euro OTC	Glucose monohydrate	140500401	4
Euro OTC	Glucose monohydrate	1405004-01	12
Euro OTC	Glucose monohydrate	130503001	1
Euro OTC	Glucose monohydrate	140101902	2
Euro OTC	Glucose monohydrate	1305030-02	7
Euro OTC	Glucose monohydrate	15040281	1
Euro OTC	Glutamic acid	13J21-N10	1
Euro OTC	Glutamic acid	28071505	1
Euro OTC	Glutamic acid	WE11020045	1
Euro OTC	Griffonia seed extract	1205027	1
Euro OTC	Heavy magnesium oxide	1012033-01	1
Euro OTC	Heavy magnesium oxide	1111006-01	1
Euro OTC	Heavy magnesium oxide	1205012-01	2
Euro OTC	Heavy, basic magnesiu...	1211005-01	4
Euro OTC	Heavy, basic magnesiu...	1305024-01	1
Euro OTC	Heavy, basic magnesiu...	1205013-02	1
Euro OTC	Heparin sodium	1202002-01	1
Euro OTC	Histamine dihydrochlo...	1411012-01	1
Euro OTC	Histamine dihydrochlo...	1305006-01	1
Euro OTC	Histamine dihydrochlo...	20021412	1
Euro OTC	Histamine dihydrochlo...	111004-02	1
Euro OTC	Histamine dihydrochlo...	1104004-03	1
Euro OTC	Histamine dihydrochlo...	1111004-01	8
Euro OTC	Histamine dihydrochlo...	1111004-02	4
Euro OTC	Histamine dihydrochlo...	1104004-02	1
Euro OTC	Histamine dihydrochlo...	3031503	1
Euro OTC	Histamine dihydrochlo...	1506030-01	2
Euro OTC	Hyaluronic acid sodiu...	L1512025-01	2
Euro OTC	Hydrocortisone	4091510	1
Euro OTC	Hydrocortisone	6051502	1
Euro OTC	Hydrocortisone	29011504	1
Euro OTC	Hydrocortisone	4112A-01719	1
Euro OTC	Hydrocortisone	1501034-01	5
Euro OTC	Hydrocortisone	pzn4914731	1
Euro OTC	Hydrocortisone	1204307-01	1
Euro OTC	Hydrocortisone	1408023-01	4
Euro OTC	Hydrocortisone	715Q-01719	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Hydrocortisone	1204037-01	25
Euro OTC	Hydrocortisone	1206018-01	24
Euro OTC	Hydrocortisone	1201618-01	1
Euro OTC	Hydrocortisone	1107005-03	10
Euro OTC	Hydrocortisone	150516-01	1
Euro OTC	Hydrocortisone	1509029-01	8
Euro OTC	Hydrocortisone	150929-01	1
Euro OTC	Hydrocortisone	1112030-01	12
Euro OTC	Hydrocortisone	1107005-02	9
Euro OTC	Hydrocortisone	1505010601	1
Euro OTC	Hydrocortisone	1107005-01	2
Euro OTC	Hydrocortisone acetate	1404017-01	8
Euro OTC	Hydrocortisone acetate	1107004-03	8
Euro OTC	Hydrocortisone acetate	1107004-02	2
Euro OTC	Hydrocortisone acetate	1010025-01	1
Euro OTC	Hydrocortisone acetate	911I-01718	1
Euro OTC	Hydrocortisone acetate	1404017-02	5
Euro OTC	Hydrocortisone acetate	120900301	1
Euro OTC	Hydrocortisone acetate	1505008	1
Euro OTC	Hydrocortisone acetate	1505008-01	24
Euro OTC	Hydrocortisone acetate	150500801	1
Euro OTC	Hydrocortisone acetate	1508029-01	15
Euro OTC	Hydrocortisone acetate	HCAZ11004K	2
Euro OTC	Hydrocortisone acetate	508029-01	1
Euro OTC	Hydrocortisone acetate	140900502	1
Euro OTC	Hydrocortisone acetate	1502000801	1
Euro OTC	Hydrocortisone acetate	140401702	1
Euro OTC	Hydrocortisone acetate	1112031-01	16
Euro OTC	Hydrocortisone acetate	1409005-01	14
Euro OTC	Hydrocortisone acetate	1409005-02	3
Euro OTC	Hydrocortisone acetate	1604052-01	3
Euro OTC	Hydrocortisone acetate	120503401	3
Euro OTC	Hydrocortisone acetate	1501035-01	6
Euro OTC	Hydrocortisone acetate	150103501	2
Euro OTC	Hydrocortisone acetate	1205034-01	38
Euro OTC	Hydrocortisone acetate	12090003-01	2
Euro OTC	Hydroxyethylcellulose...	1504018-03	4
Euro OTC	Hydroxyethylcellulose...	1504018-02	2
Euro OTC	Hydroxyethylcellulose...	1504018-02	13
Euro OTC	Hydroxyethylcellulose...	1504018-01	6
Euro OTC	Hydroxyethylcellulose...	1504018-01	1
Euro OTC	Hydroxyethylcellulose...	1500418-02	1
Euro OTC	Hydroxyethylcellulose...	1496017-02	1
Euro OTC	Hydroxyethylcellulose...	1504018-03	2
Euro OTC	Hydroxyethylcellulose...	80616-3	1
Euro OTC	Hydroxyethylcellulose...	K1371	2
Euro OTC	Hydroxyethylcellulose...	1909020-02	1
Euro OTC	Hydroxyethylcellulose...	1606030-01	10
Euro OTC	Hydroxyethylcellulose...	130902003	1
Euro OTC	Hydroxyethylcellulose...	1105054-01	1
Euro OTC	Hydroxyethylcellulose...	150418-01	1
Euro OTC	Hydroxyethylcellulose...	1504019-02	1
Euro OTC	Hydroxyethylcellulose...	130400802	1
Euro OTC	Hydroxyethylcellulose...	13040008-02	1
Euro OTC	Hydroxyethylcellulose...	130400801	1
Euro OTC	Hydroxyethylcellulose...	1304008-01	32
Euro OTC	Hydroxyethylcellulose...	1406212528	1
Euro OTC	Hydroxyethylcellulose...	1110024-04	22
Euro OTC	Hydroxyethylcellulose...	914E-03301	1
Euro OTC	Hydroxyethylcellulose...	3081603	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Hydroxyethylcellulose...	nachprüfung	2
Euro OTC	Hydroxyethylcellulose...	1309020-01	1
Euro OTC	Hydroxyethylcellulose...	1406017-03	1
Euro OTC	Hydroxyethylcellulose...	1406017-02	15
Euro OTC	Hydroxyethylcellulose...	1406017-02	10
Euro OTC	Hydroxyethylcellulose...	1406017-01	4
Euro OTC	Hydroxyethylcellulose...	1406017	1
Euro OTC	Hydroxyethylcellulose...	1613M-03301	1
Euro OTC	Hydroxyethylcellulose...	13099020-01	1
Euro OTC	Hydroxyethylcellulose...	1309020-03	9
Euro OTC	Hydroxyethylcellulose...	1309020-02	6
Euro OTC	Hydroxyethylcellulose...	1108027-01	1
Euro OTC	Hydroxyethylcellulose...	1108027-01	2
Euro OTC	Hydroxyethylcellulose...	1007018-01	1
Euro OTC	Hydroxyethylcellulose...	110505401	1
Euro OTC	Hydroxyethylcellulose...	1101022-02	1
Euro OTC	Hydroxyethylcellulose...	111024-02	1
Euro OTC	Hydroxyethylcellulose...	1110024-04-336431909	1
Euro OTC	Hydroxyethylcellulose...	1110024-01	2
Euro OTC	Hydroxyethylcellulose...	1110024-02	15
Euro OTC	Hydroxyethylcellulose...	1110024-01	1
Euro OTC	Hydroxyethylcellulose...	2402212528	1
Euro OTC	Hydroxyethylcellulose...	11110024-03	1
Euro OTC	Hydroxyethylcellulose...	314Q3301	1
Euro OTC	Hydroxyethylcellulose...	1304008-02	2
Euro OTC	Hydroxyethylcellulose...	1406017-01	1
Euro OTC	Hypromellose 4000	1306022-02	1
Euro OTC	Hyssop herb, cut	nachprüfung	1
Euro OTC	Ibuprofen	1410025-01	2
Euro OTC	Ibuprofen	1211011-01	1
Euro OTC	Indomethacin	1512031-01	2
Euro OTC	Indomethacin	1205002-01	2
Euro OTC	Inositol	1304009-01	3
Euro OTC	Inositol	1206032-01	2
Euro OTC	Inositol	130400901	1
Euro OTC	Inositol	1407006-01	3
Euro OTC	Iodoform	14229504	2
Euro OTC	Isosorbide dinitrate ...	PN:1370-240409	1
Euro OTC	Lactose monohydrate	150101701	1
Euro OTC	Lactose monohydrate	3215A-02210	1
Euro OTC	Lactose monohydrate	15090-30-02	1
Euro OTC	Lactose monohydrate	1013Q-02210	1
Euro OTC	Lactose monohydrate	1501017-02	1
Euro OTC	Lactose monohydrate	140-1003-01	1
Euro OTC	Lactose monohydrate	110602202	1
Euro OTC	Lactose monohydrate	1401003-02	6
Euro OTC	Lactose monohydrate	130102801	1
Euro OTC	Lactose monohydrate	1301028-01	8
Euro OTC	Lactose monohydrate	L1237A4172	1
Euro OTC	Lactose monohydrate	1401003-01	17
Euro OTC	Levocarnitine	1303027-01	1
Euro OTC	Levocarnitine	1106012-020	1
Euro OTC	Levocarnitine	1303027	1
Euro OTC	Levocarnitine	7120	1
Euro OTC	L-glutathione	1102019-01	1
Euro OTC	Lidocaine	1310023-02	1
Euro OTC	Lidocaine hydrochloride	1202035/02	1
Euro OTC	Lidocaine hydrochloride	1411010-02	6
Euro OTC	Lidocaine hydrochloride	20131010-4	1
Euro OTC	Lidocaine hydrochloride	141101001	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Lidocaine hydrochloride	1411010-02	6
Euro OTC	Lidocaine hydrochloride	120203502	4
Euro OTC	Lidocaine hydrochloride	1202035-1	1
Euro OTC	Lidocaine hydrochloride	1202035-03	17
Euro OTC	Lidocaine hydrochloride	141101002	1
Euro OTC	Lidocaine hydrochloride	1403025-03	1
Euro OTC	Lidocaine hydrochloride	1108017-01	1
Euro OTC	Lidocaine hydrochloride	140302502	1
Euro OTC	Lidocaine hydrochloride	1403025-02	16
Euro OTC	Lidocaine hydrochloride	140302501	2
Euro OTC	Lidocaine hydrochloride	1403025-01	16
Euro OTC	Lidocaine hydrochloride	1401010-01	1
Euro OTC	Lidocaine hydrochloride	1103034-01	1
Euro OTC	Lidocaine hydrochloride	2213U01775	1
Euro OTC	Lidocaine hydrochloride	1411010-01	1
Euro OTC	Lidocaine hydrochloride	2805016-01	1
Euro OTC	Lidocaine hydrochloride	2810029-01	1
Euro OTC	Lidocaine hydrochloride	2911029-01	1
Euro OTC	Lidocaine hydrochloride	141101001	1
Euro OTC	Lidocaine hydrochloride	LID-20-11-001	2
Euro OTC	Lidocaine hydrochloride	1411010-01	19
Euro OTC	Lidocaine hydrochloride	1202035-02	44
Euro OTC	Lidocaine hydrochloride	1606021-01	1
Euro OTC	Lidocaine hydrochloride	23081601	1
Euro OTC	Lidocaine hydrochloride	1108017-01	6
Euro OTC	Lidocaine hydrochloride	1202035-01	32
Euro OTC	Lidocaine hydrochloride	1411010-2	1
Euro OTC	Lidocaine hydrochloride	14110101-01	1
Euro OTC	Lidocaine hydrochloride	120203501	3
Euro OTC	Lidocaine hydrochloride	1108017-02	11
Euro OTC	Lidocaine hydrochloride	141101-01	1
Euro OTC	Lidocaine hydrochloride	1505023-01	5
Euro OTC	Lidocaine hydrochloride	1505023-01	20
Euro OTC	Lidocaine hydrochloride	1202035	1
Euro OTC	Lidocaine hydrochloride	1505023-02	6
Euro OTC	Lidocaine hydrochloride	1202034-01	2
Euro OTC	L-leucine	L1208003-01	1
Euro OTC	L-leucine	1312032-01	1
Euro OTC	L-leucine	1312032-01	1
Euro OTC	L-proline	L1210045-01	1
Euro OTC	L-proline	1312029-01	1
Euro OTC	L-proline	L1210046-03	2
Euro OTC	L-threonine	1111015-01	1
Euro OTC	L-threonine	1210027-02	2
Euro OTC	L-threonine	1210027-01	2
Euro OTC	L-tryptophan	1307004-01	1
Euro OTC	L-tryptophan	1111044-01	1
Euro OTC	L-tryptophan	1212010-01	6
Euro OTC	L-tryptophan	1302021-01	1
Euro OTC	L-tryptophan	1404027-01	2
Euro OTC	L-tryptophan	1307004-01	2
Euro OTC	Lysine hydrochloride	L1209002-1	1
Euro OTC	Lysine hydrochloride	L1205030-01	1
Euro OTC	Lysine hydrochloride	L1304015-01	6
Euro OTC	Macrogol 1500	1406004-01	2
Euro OTC	Macrogol 1500	1304023-01	7
Euro OTC	Macrogol 1500	1206005-01	7
Euro OTC	Macrogol 1500	1103017-02	4
Euro OTC	Macrogol 1500	1503026-01	4
Euro OTC	Macrogol 4000	1508031-02	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Macrogol 4000	1305020-02	1
Euro OTC	Macrogol 4000	1005011-01	1
Euro OTC	Macrogol 4000	1202040-02	3
Euro OTC	Macrogol 4000	140701001	1
Euro OTC	Macrogol 4000	1010023-02	2
Euro OTC	Macrogol 4000	1305020-02	2
Euro OTC	Macrogol 4000	1507004-01	1
Euro OTC	Macrogol 4000	1508031-01	1
Euro OTC	Macrogol 4000	130502002	1
Euro OTC	Magnesium (hydrogen) ...	1407048-02	4
Euro OTC	Magnesium (hydrogen) ...	1010003-01	1
Euro OTC	Magnesium (hydrogen) ...	1507010-01	4
Euro OTC	Magnesium (hydrogen) ...	1404023-01	5
Euro OTC	Magnesium (hydrogen) ...	Ch.B1110026	1
Euro OTC	Magnesium (hydrogen) ...	1211033-01	6
Euro OTC	Magnesium (hydrogen) ...	1208006-01	6
Euro OTC	Magnesium (hydrogen) ...	1306034-01	3
Euro OTC	Magnesium (hydrogen) ...	2114M1829	1
Euro OTC	Magnesium (hydrogen) ...	1202034	1
Euro OTC	Magnesium (hydrogen) ...	Ch1404023-01	1
Euro OTC	Magnesium (hydrogen) ...	1311003-02	1
Euro OTC	Magnesium (hydrogen) ...	L15402018-01	1
Euro OTC	Magnesium (hydrogen) ...	1211033-02	4
Euro OTC	Magnesium (hydrogen) ...	140402301	1
Euro OTC	Magnesium (hydrogen) ...	1604002-01	7
Euro OTC	Magnesium (hydrogen) ...	130603402	1
Euro OTC	Magnesium (hydrogen) ...	1601005-01	1
Euro OTC	Magnesium (hydrogen) ...	1507010-02	4
Euro OTC	Magnesium (hydrogen) ...	1306034-02	4
Euro OTC	Magnesium (hydrogen) ...	1110026-01	3
Euro OTC	Magnesium (hydrogen) ...	1085730	2
Euro OTC	Magnesium (hydrogen) ...	1311003-01	17
Euro OTC	Magnesium (hydrogen) ...	1501026-01	2
Euro OTC	Magnesium (hydrogen) ...	140704801	1
Euro OTC	Magnesium (hydrogen) ...	151003301	1
Euro OTC	Magnesium (hydrogen) ...	Ch1211033-02	3
Euro OTC	Magnesium (hydrogen) ...	1407048-01	3
Euro OTC	Magnesium (hydrogen) ...	C6H6Mg07	1
Euro OTC	Magnesium chloride he...	1212013-01	4
Euro OTC	Magnesium chloride he...	1112013-01	2
Euro OTC	Magnesium chloride he...	1204017-01	2
Euro OTC	Magnesium hydrogen as...	1204014-01	1
Euro OTC	Magnesium hydrogen as...	1504036-01	1
Euro OTC	Magnesium hydrogen as...	1012021-01	1
Euro OTC	Magnesium orotate dih...	1305011-01	1
Euro OTC	Magnesium orotate dih...	8120	2
Euro OTC	Magnesium orotate dih...	ORM00113	1
Euro OTC	Magnesium orotate dih...	1407005-01	2
Euro OTC	Magnesium orotate dih...	1305011-02	5
Euro OTC	Magnesium stearate	1912I-01834	1
Euro OTC	Magnesium stearate	914I-01834	1
Euro OTC	Magnesium stearate	1116E-01834	1
Euro OTC	Magnesium stearate	315E-01834	1
Euro OTC	Magnesium sulfate hep...	130300801	2
Euro OTC	Magnesium sulfate hep...	1202017-01	6
Euro OTC	Magnesium sulfate hep...	1206019-01	7
Euro OTC	Magnesium sulfate hep...	1306015-01	1
Euro OTC	Magnesium sulfate hep...	1109023-01	2
Euro OTC	Magnesium sulfate hep...	170610	1
Euro OTC	Magnesium sulfate hep...	1211022-01	7

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Supplier	Substance	Batch	Spectra
Euro OTC	Mannitole	1305043	1
Euro OTC	Mannitole	1211034-01	10
Euro OTC	Mannitole	121103401	2
Euro OTC	Mannitole	1409016-01	10
Euro OTC	Mannitole	130504301	2
Euro OTC	Mannitole	131000401	1
Euro OTC	Mannitole	1310004-01	22
Euro OTC	Mannitole	13155710	1
Euro OTC	Mannitole	14003402	1
Euro OTC	Mannitole	1205016	1
Euro OTC	Mannitole	1502022-02	6
Euro OTC	Mannitole	1511025-01	12
Euro OTC	Mannitole	17/14	1
Euro OTC	Mannitole	1006019-01	1
Euro OTC	Mannitole	1502022-01	10
Euro OTC	Mannitole	1006019-02	1
Euro OTC	Mannitole	1104028-03	7
Euro OTC	Mannitole	1409016-02	2
Euro OTC	Mannitole	111100009-02	1
Euro OTC	Mannitole	140403401	1
Euro OTC	Mannitole	E671Z	1
Euro OTC	Mannitole	T03-07/1409016-01	1
Euro OTC	Mannitole	13189216	2
Euro OTC	Mannitole	1310004-02	9
Euro OTC	Mannitole	1205016-01	24
Euro OTC	Mannitole	1110009-02	7
Euro OTC	Mannitole	1110009-01	13
Euro OTC	Mannitole	1104028-01	1
Euro OTC	Mannitole	1305043-01	16
Euro OTC	Mannitole	1606031-01	1
Euro OTC	Mannitole	150202201	2
Euro OTC	Mannitole	150202202	1
Euro OTC	Mannitole	15002022-01	1
Euro OTC	Mannitole	1508012-01	10
Euro OTC	Mannitole	1508012-02	5
Euro OTC	Mannitole	1404034-02	12
Euro OTC	Mannitole	151025-01	1
Euro OTC	Mannitole	151102501	1
Euro OTC	Marian thistle herb, ...	3701A-111207	1
Euro OTC	Matricaria flower	12361702	7
Euro OTC	Melatonin	15254316	1
Euro OTC	Melatonin	1510041-01	1
Euro OTC	Melatonin	120400302	1
Euro OTC	Melatonin	1204003-02	17
Euro OTC	Melatonin	12001	2
Euro OTC	Melatonin	1305029-01	1
Euro OTC	Melatonin	1305092-01	1
Euro OTC	Melatonin	120008	1
Euro OTC	Melatonin	1305029-01	1
Euro OTC	Melatonin	1407028-01	1
Euro OTC	Melatonin	1407028-02	1
Euro OTC	Melatonin	1407028-02	1
Euro OTC	Melatonin	CH1305029-01	1
Euro OTC	Menthol	1502006-02	8
Euro OTC	Menthol	1403022-01	2
Euro OTC	Menthol	140302201	1
Euro OTC	Menthol	14030222-02	1
Euro OTC	Menthol	1608012-12	1
Euro OTC	Menthol	140322-01	1
Euro OTC	Menthol	1310J-01855	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Menthol	130501002	1
Euro OTC	Menthol	290601901	1
Euro OTC	Menthol	Ch1204036-02	1
Euro OTC	Menthol	1305010-01	8
Euro OTC	Menthol	807862	1
Euro OTC	Menthol	1410004-01	14
Euro OTC	Menthol	1509045-03	6
Euro OTC	Menthol	1509045-02	1
Euro OTC	Menthol	150904502	1
Euro OTC	Menthol	1603021-01	1
Euro OTC	Menthol	1509045	2
Euro OTC	Menthol	150200601	1
Euro OTC	Menthol	1502006-01	6
Euro OTC	Menthol	141000401	1
Euro OTC	Menthol	1410004-02	6
Euro OTC	Menthol	1603024-01	2
Euro OTC	Menthol	1608012-01	1
Euro OTC	Menthol	1204036-01	13
Euro OTC	Menthol	120-4036-02	2
Euro OTC	Menthol	1111020-02	1
Euro OTC	Menthol	1210017-01	6
Euro OTC	Menthol	1105028-01	1
Euro OTC	Menthol	1008029-01	1
Euro OTC	Menthol	1002019-03	1
Euro OTC	Menthol	1204036-02	4
Euro OTC	Menthol	1210017-02	8
Euro OTC	Menthol	1204036-1	1
Euro OTC	Menthol	721123	2
Euro OTC	Menthol	120403602	3
Euro OTC	Menthol	696773	1
Euro OTC	Menthol	120403601	1
Euro OTC	Methadone hydrochloride	14C24-B01	1
Euro OTC	Methionine	L1505001-01	1
Euro OTC	Methoxsalen	1209015-01	7
Euro OTC	Methoxsalen	1503009-02	3
Euro OTC	Methoxsalen	1506013-02	1
Euro OTC	Methoxsalen	1104010-01	2
Euro OTC	Methoxsalen	140900302	1
Euro OTC	Methoxsalen	150300901	1
Euro OTC	Methoxsalen	120901501	1
Euro OTC	Methoxsalen	1203009-01	1
Euro OTC	Methoxsalen	1506013-01	2
Euro OTC	Methyl cellulose	10247609	1
Euro OTC	Methyl-4-hydroxybenzo...	2606022	1
Euro OTC	Methyl-4-hydroxybenzo...	3115M-01930	1
Euro OTC	Methyl-4-hydroxybenzo...	1212011-01	5
Euro OTC	Methyl-4-hydroxybenzo...	4312I-01930	1
Euro OTC	Methyl-4-hydroxybenzo...	4314U-01930	1
Euro OTC	Methyl-4-hydroxybenzo...	1110033-01	2
Euro OTC	Methyl-4-hydroxybenzo...	120502501	1
Euro OTC	Methyl-4-hydroxybenzo...	1507042-01	3
Euro OTC	Methyl-4-hydroxybenzo...	172620	1
Euro OTC	Methyl-4-hydroxybenzo...	1502009-01	5
Euro OTC	Methyl-4-hydroxybenzo...	140600501	1
Euro OTC	Methyl-4-hydroxybenzo...	1401027-02	2
Euro OTC	Methyl-4-hydroxybenzo...	1401027-01	1
Euro OTC	Methylcobalamin	1409017-01	1
Euro OTC	Methylcobalamin	Ch1207019-01	1
Euro OTC	Methylcobalamin	1207019-01	1
Euro OTC	Methylcobalamin	1310014-01	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Metronidazole	15a20-b07-303294	1
Euro OTC	Metronidazole	1003028-02	1
Euro OTC	Metronidazole	1609028-01	3
Euro OTC	Metronidazole	20120974	1
Euro OTC	Metronidazole	1220150132	1
Euro OTC	Metronidazole	150804-01	1
Euro OTC	Metronidazole	1101017-3	1
Euro OTC	Metronidazole	1101017-03	3
Euro OTC	Metronidazole	1505024-01	5
Euro OTC	Metronidazole	1109016-01	5
Euro OTC	Metronidazole	1109030-01	10
Euro OTC	Metronidazole	1109030-02	4
Euro OTC	Metronidazole	1505024-02	2
Euro OTC	Metronidazole	1508004-01	12
Euro OTC	Metronidazole	1109030-03	4
Euro OTC	Metronidazole	1508004-02	2
Euro OTC	Metronidazole	1112028-01	6
Euro OTC	Metronidazole	150502403	1
Euro OTC	Metronidazole	1212001-02	18
Euro OTC	Metronidazole	700837	1
Euro OTC	Metronidazole	13070002-02	1
Euro OTC	Metronidazole	1212001-01	10
Euro OTC	Metronidazole	140700302	2
Euro OTC	Metronidazole	14120601	1
Euro OTC	Metronidazole	1407003-01	3
Euro OTC	Metronidazole	140700301	2
Euro OTC	Metronidazole	130704201	1
Euro OTC	Metronidazole	1308704201	1
Euro OTC	Metronidazole	10800401	1
Euro OTC	Metronidazole	121001-02	3
Euro OTC	Metronidazole	1407003-02	2
Euro OTC	Metronidazole	140601001	2
Euro OTC	Metronidazole	1307042-01	9
Euro OTC	Metronidazole	1412016-02	14
Euro OTC	Metronidazole	1307042-02	7
Euro OTC	Metronidazole	141201601	1
Euro OTC	Metronidazole	1112028-02	11
Euro OTC	Metronidazole	F120017	1
Euro OTC	Metronidazole	1307002-01	9
Euro OTC	Metronidazole	1407003	1
Euro OTC	Metronidazole	1412016-01	15
Euro OTC	Metronidazole	20111025	1
Euro OTC	Metronidazole	12F15-N04	1
Euro OTC	Miconazole nitrate	140902302	1
Euro OTC	Miconazole nitrate	140902301	1
Euro OTC	Miconazole nitrate	1509014-01	2
Euro OTC	Miconazole nitrate	1307025-01	2
Euro OTC	Miconazole nitrate	1604004-01	2
Euro OTC	Miconazole nitrate	16E04-B03-322124	1
Euro OTC	Miconazole nitrate	1504003-01	2
Euro OTC	Minoxidil	1203035-01	15
Euro OTC	Minoxidil	1509035-01	12
Euro OTC	Minoxidil	1203035-0	1
Euro OTC	Minoxidil	16070007-01	1
Euro OTC	Minoxidil	1112024-03	9
Euro OTC	Minoxidil	1112024-02	7
Euro OTC	Minoxidil	1112024-01	3
Euro OTC	Minoxidil	1108039-03	1
Euro OTC	Minoxidil	120303501	3
Euro OTC	Minoxidil	12100056-01	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Minoxidil	1203035-03	16
Euro OTC	Minoxidil	1607007-01	6
Euro OTC	Minoxidil	120303502	1
Euro OTC	Minoxidil	1203035-02	10
Euro OTC	Minoxidil	1607007	1
Euro OTC	Minoxidil	1203035-01	1
Euro OTC	Minoxidil	2002312844	1
Euro OTC	Minoxidil	1509035-01	3
Euro OTC	Minoxidil	29071402	1
Euro OTC	Minoxidil	12100560	1
Euro OTC	Minoxidil	700158	1
Euro OTC	Minoxidil	1405028-01	28
Euro OTC	Minoxidil	140502801	3
Euro OTC	Minoxidil	1405028-1	1
Euro OTC	Minoxidil	141100601	5
Euro OTC	Minoxidil	1411006-01	2
Euro OTC	Minoxidil	1411006601	1
Euro OTC	Minoxidil	150401-01	1
Euro OTC	Minoxidil	1504013-01	16
Euro OTC	Minoxidil	1504013-01	9
Euro OTC	Minoxidil	1504013-02	11
Euro OTC	Minoxidil	1504013-02	3
Euro OTC	Minoxidil	14050281	1
Euro OTC	Minoxidil	121005601	1
Euro OTC	Minoxidil	ch. 1311038-01	1
Euro OTC	Minoxidil	1210056-02	33
Euro OTC	Minoxidil	1108039-01	1
Euro OTC	Minoxidil	13001	1
Euro OTC	Minoxidil	1304029-01	17
Euro OTC	Minoxidil	130402901	2
Euro OTC	Minoxidil	130402902	2
Euro OTC	Minoxidil	1311038-01	34
Euro OTC	Minoxidil	131103801	4
Euro OTC	Minoxidil	131138-01	1
Euro OTC	Minoxidil	1102010-02	1
Euro OTC	Minoxidil	1602013-01	2
Euro OTC	Minoxidil	4/13	3
Euro OTC	Minoxidil	10/13	1
Euro OTC	Minoxidil	1009042-01	3
Euro OTC	Minoxidil	104029-02	1
Euro OTC	Mometasone furoate, m...	1606021-01	2
Euro OTC	Mometasone furoate, m...	1408010-01	3
Euro OTC	Mometasone furoate, m...	1504012-02	2
Euro OTC	Mometasone furoate, m...	1510036-01	4
Euro OTC	Mometasone furoate, m...	15B11-B03-308860	1
Euro OTC	Mometasone furoate, m...	160602101	1
Euro OTC	Mometasone furoate, m...	1203024-02	1
Euro OTC	Mometasone furoate, m...	1504012-01	8
Euro OTC	Naphazoline hydrochlo...	113031-01	1
Euro OTC	Naphazoline hydrochlo...	1506015-02	2
Euro OTC	Naphazoline hydrochlo...	14070034-01	1
Euro OTC	Naphazoline hydrochlo...	1206037-02	3
Euro OTC	Naphazoline hydrochlo...	1407034-01	1
Euro OTC	Naphazoline hydrochlo...	1506015-01	1
Euro OTC	Neomycin sulfate	1303033-02	1
Euro OTC	Neomycin sulfate	16019046-01	1
Euro OTC	Neomycin sulfate	160104601	1
Euro OTC	Neomycin sulfate	1102043-02	17
Euro OTC	Neomycin sulfate	1601046-01	4
Euro OTC	Neomycin sulfate	1502004-01	6

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Supplier	Substance	Batch	Spectra
Euro OTC	Neomycin sulfate	1303033-03	13
Euro OTC	Neomycin sulfate	1303033-03	2
Euro OTC	Neomycin sulfate	1102043-01	2
Euro OTC	Neomycin sulfate	1102043	2
Euro OTC	Neomycin sulfate	130033-03	1
Euro OTC	Neomycin sulfate	G73890	1
Euro OTC	Neomycin sulfate	1303033-01	11
Euro OTC	Nicotinamide	11401052	1
Euro OTC	Nicotinamide	1511010-01	1
Euro OTC	Nicotinamide	1503024-01	1
Euro OTC	Nicotinamide	1408019-01	4
Euro OTC	Nicotinamide	1310025-01	4
Euro OTC	Nicotinamide	11208021	1
Euro OTC	Nicotinamide	1108021-02	1
Euro OTC	Nicotinamide	131002501	1
Euro OTC	Nicotinamide	1108021-01	1
Euro OTC	Nicotinamide	1211031-01	2
Euro OTC	Non-ionic emulsifying...	278281	2
Euro OTC	Nystatin	B:1107046-01	1
Euro OTC	Nystatin	4014991	2
Euro OTC	Nystatin	130705301	1
Euro OTC	Nystatin	1307053-01	7
Euro OTC	Nystatin	1511020-01	1
Euro OTC	Nystatin	1511020-02	1
Euro OTC	Nystatin	19500711	1
Euro OTC	Nystatin	1212024-02	18
Euro OTC	Nystatin	2811032-01	1
Euro OTC	Nystatin	1307053-02	3
Euro OTC	Nystatin	121202401	1
Euro OTC	Nystatin	1212024-01	21
Euro OTC	Nystatin	C129440	1
Euro OTC	Nystatin	1107046-01	9
Euro OTC	Nystatin	111105701	1
Euro OTC	Nystatin	1207009-02	5
Euro OTC	Nystatin	110704601	1
Euro OTC	Nystatin	121024-01	1
Euro OTC	Nystatin	C129854	1
Euro OTC	Nystatin	C129531	1
Euro OTC	Ornithine aspartate	L-1304034-01	1
Euro OTC	Ornithine aspartate	L1304034-01	2
Euro OTC	Ornithine aspartate	1501049-01	1
Euro OTC	Ornithine hydrochloride	1014I-03475	1
Euro OTC	Ornithine hydrochloride	315E-03475	1
Euro OTC	Ornithine hydrochloride	516Q-03475	1
Euro OTC	Ornithine hydrochloride	4712A-03475	1
Euro OTC	Oxytetracycline hydro...	513E-02865	1
Euro OTC	Oxytetracycline hydro...	1407011202	1
Euro OTC	Oxytetracycline hydro...	14070120-02	1
Euro OTC	Oxytetracycline hydro...	1407012-01	7
Euro OTC	Oxytetracycline hydro...	120502801	1
Euro OTC	Oxytetracycline hydro...	1407012-02	9
Euro OTC	Oxytetracycline hydro...	1011045-01	3
Euro OTC	Oxytetracycline hydro...	1111061-61	1
Euro OTC	Oxytetracycline hydro...	1306022-03	3
Euro OTC	Oxytetracycline hydro...	12050-28	1
Euro OTC	Oxytetracycline hydro...	1205028	1
Euro OTC	Oxytetracycline hydro...	1205028-02	17
Euro OTC	Oxytetracycline hydro...	1205028-01	12
Euro OTC	Oxytetracycline hydro...	1306022	1
Euro OTC	Oxytetracycline hydro...	1306022-01	20

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Supplier	Substance	Batch	Spectra
Euro OTC	Oxytetracycline hydro...	1306022-02	12
Euro OTC	Oxytetracycline hydro...	1407012-03	2
Euro OTC	Oxytetracycline hydro...	1506037	1
Euro OTC	Oxytetracycline hydro...	1506037-01	10
Euro OTC	Oxytetracycline hydro...	1602025-01	6
Euro OTC	Oxytetracycline hydro...	1506037-01	2
Euro OTC	Oxytetracycline hydro...	15060377-01	1
Euro OTC	Oxytetracycline hydro...	1506037-03	5
Euro OTC	Oxytetracycline hydro...	150603703	1
Euro OTC	Oxytetracycline hydro...	28011505	1
Euro OTC	Oxytetracycline hydro...	120502802	1
Euro OTC	Oxytetracycline hydro...	700116	1
Euro OTC	Oxytetracycline hydro...	14128003	3
Euro OTC	Oxytetracycline hydro...	15051507	1
Euro OTC	Paracetamol	1111024-01	1
Euro OTC	Paracetamol	1111024-02	1
Euro OTC	Pheniramine maleate	1209032-01	1
Euro OTC	Pilocarpine hydrochlo...	1202031-01	1
Euro OTC	Pilocarpine hydrochlo...	1202031-02	1
Euro OTC	Pilocarpine hydrochlo...	1305044-01	3
Euro OTC	Pilocarpine hydrochlo...	130504401	2
Euro OTC	Pilocarpine hydrochlo...	1305044-03	3
Euro OTC	Pilocarpine hydrochlo...	Euroo	1
Euro OTC	Pilocarpine hydrochlo...	2909041V-02	1
Euro OTC	Polymyxin B sulfate	1505005-01	3
Euro OTC	Polymyxin B sulfate	1406012-02	1
Euro OTC	Polymyxin B sulfate	140601202	2
Euro OTC	Polymyxin B sulfate	1406012-01	1
Euro OTC	Polymyxin B sulfate	130416	2
Euro OTC	Polymyxin B sulfate	11091419	1
Euro OTC	Polymyxin B sulfate	150500501	1
Euro OTC	Polymyxin B sulfate	1406012-01	1
Euro OTC	Polymyxin B sulfate	1202039-01	3
Euro OTC	Polymyxin B sulfate	25101201	1
Euro OTC	Polymyxin B sulfate	23051502	1
Euro OTC	Polymyxin B sulfate	1304033-01	2
Euro OTC	Potassium citrate	Ch1304022-01	2
Euro OTC	Potassium citrate	Ch1209005-01	1
Euro OTC	Potassium citrate	1504024-01	2
Euro OTC	Potassium citrate	1410014-01	2
Euro OTC	Potassium citrate	1311036-01	13
Euro OTC	Potassium citrate	1406025-01	2
Euro OTC	Potassium citrate	1211006-01	4
Euro OTC	Potassium citrate	1209005-01	3
Euro OTC	Potassium citrate	Ch. 1406025-01	1
Euro OTC	Potassium citrate	1606041-01	1
Euro OTC	Potassium citrate	123456	6
Euro OTC	Potassium citrate	22101303	1
Euro OTC	Potassium hydrocarbon...	1202013-01	1
Euro OTC	Potassium hydrocarbon...	1208010-01	4
Euro OTC	Potassium hydrocarbon...	4413I1728	1
Euro OTC	Potassium hydrocarbon...	2809033-01	1
Euro OTC	Potassium hydrocarbon...	1204038-01	2
Euro OTC	Potassium hydrocarbon...	2712008-01	1
Euro OTC	Potassium hydrocarbon...	70913Kahyca	1
Euro OTC	Potassium orotate	1203038-01	1
Euro OTC	Potassium sorbate	216331021	1
Euro OTC	Potassium sorbate	1111038-01	1
Euro OTC	Potassium sorbate	1111038-02	1
Euro OTC	Potassium sorbate	1508025-01	4

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Supplier	Substance	Batch	Spectra
Euro OTC	Potassium sorbate	1312024-01	4
Euro OTC	Potassium sorbate	111103802	1
Euro OTC	Povidone iodine	111001302	1
Euro OTC	Povidone iodine	1005049-02	1
Euro OTC	Povidone iodine	110013-02	1
Euro OTC	Povidone iodine	1407032-01	4
Euro OTC	Povidone iodine	1509009-01	1
Euro OTC	Povidone iodine	1603023-01	1
Euro OTC	Povidone iodine	G4208BPZ0	1
Euro OTC	Povidone iodine	1401029-01	1
Euro OTC	Povidone iodine	1509009-02	1
Euro OTC	Povidone iodine	130901001	1
Euro OTC	Prasterone	1102036-01	1
Euro OTC	Prasterone	1409004-01	2
Euro OTC	Prasterone	1506011-01	1
Euro OTC	Prasterone	22021306	1
Euro OTC	Prasterone	26031506	1
Euro OTC	Prasterone	1203010-01	1
Euro OTC	Prasterone	T03-04/1412028-01	1
Euro OTC	Prasterone	30041509	1
Euro OTC	Prasterone	XPC0263	1
Euro OTC	Prasterone	1401040-01	2
Euro OTC	Prasterone	1311002-01	3
Euro OTC	Prasterone	1409004-01	1
Euro OTC	Prasterone	1306021-01	4
Euro OTC	Prasterone	4091511	1
Euro OTC	Prasterone	2081302	1
Euro OTC	Prednicarbate, micron...	1601058-01	3
Euro OTC	Prednicarbate, micron...	1605001	1
Euro OTC	Prednicarbate, micron...	1605001-01	2
Euro OTC	Prednicarbate, micron...	1501033-02	2
Euro OTC	Prednicarbate, micron...	1507011-02	2
Euro OTC	Prednicarbate, micron...	1302033-02	2
Euro OTC	Prednicarbate, micron...	1302033-01	1
Euro OTC	Prednisolone acetate	1406014-01	11
Euro OTC	Prednisolone acetate	1501036-02	8
Euro OTC	Prednisolone acetate	1306040101	1
Euro OTC	Prednisolone acetate	2714U-02106	1
Euro OTC	Prednisolone acetate	3707556	1
Euro OTC	Prednisolone acetate	2215I-02106	1
Euro OTC	Prednisolone acetate	1460614-01	1
Euro OTC	Prednisolone acetate	1306040-1	1
Euro OTC	Prednisolone acetate	1209028-02	21
Euro OTC	Prednisolone acetate	1209028-01	7
Euro OTC	Prednisolone acetate	1607010-01	4
Euro OTC	Prednisolone acetate	1209028-03	2
Euro OTC	Prednisolone acetate	K07A20140304M	1
Euro OTC	Prednisolone acetate	1108043-01	4
Euro OTC	Prednisolone acetate	150103601	1
Euro OTC	Prednisolone acetate	1512020-01	13
Euro OTC	Prednisolone acetate	PAC-BLT003/0812	1
Euro OTC	Prednisolone acetate	711212106	1
Euro OTC	Prednisolone acetate	1501036	1
Euro OTC	Prednisolone acetate	1501036-01	7
Euro OTC	Prednisolone acetate	5012I-02106	1
Euro OTC	Prednisolone acetate	1406012-02	1
Euro OTC	Prednisolone acetate	130604002	1
Euro OTC	Prednisolone acetate	1501036.02	1
Euro OTC	Prednisolone acetate	514U2106	1
Euro OTC	Prednisolone acetate	2413Q02106	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Prednisolone acetate	200540	1
Euro OTC	Prednisolone acetate	1203028-03	1
Euro OTC	Prednisolone acetate	2902212106	1
Euro OTC	Prednisolone acetate	1108043-02	15
Euro OTC	Prednisolone acetate	2507212106	1
Euro OTC	Prednisolone, microni...	501047-01	1
Euro OTC	Prednisolone, microni...	NEPL110103	2
Euro OTC	Prednisolone, microni...	150104701	1
Euro OTC	Prednisolone, microni...	1108055-02	5
Euro OTC	Prednisolone, microni...	1108055-03	16
Euro OTC	Prednisolone, microni...	1108055-04	32
Euro OTC	Prednisolone, microni...	1108055-04	1
Euro OTC	Prednisolone, microni...	1501047-01	9
Euro OTC	Prednisolone, microni...	1212021-03	11
Euro OTC	Prednisolone, microni...	110855-02	1
Euro OTC	Prednisolone, microni...	1108055-01	1
Euro OTC	Prednisolone, microni...	110805504	7
Euro OTC	Prednisolone, microni...	1212021-01	17
Euro OTC	Prednisolone, microni...	121021-01	2
Euro OTC	Prednisolone, microni...	1212021-01	9
Euro OTC	Prednisolone, microni...	1212021-02	13
Euro OTC	Prednisolone, microni...	1314Q2105	1
Euro OTC	Prednisolone, microni...	110805502	1
Euro OTC	Prednisolone, microni...	1212021-02	3
Euro OTC	Prednisolone, microni...	1212021-01	2
Euro OTC	Prednisolone, microni...	121202101	1
Euro OTC	Pregnenolone	1402025-01	1
Euro OTC	Pregnenolone	1312007-01	1
Euro OTC	Procaine hydrochloride	1601014-01	1
Euro OTC	Procaine hydrochloride	1003001-01	1
Euro OTC	Procaine hydrochloride	1104012-01	1
Euro OTC	Procaine hydrochloride	1104012-03	6
Euro OTC	Procaine hydrochloride	1405027-02	1
Euro OTC	Procaine hydrochloride	1405027-01	4
Euro OTC	Procaine hydrochloride	1104012-05	5
Euro OTC	Procaine hydrochloride	1104012-04	5
Euro OTC	Procaine hydrochloride	200644	1
Euro OTC	Progesterone, microni...	1601009-02	2
Euro OTC	Progesterone, microni...	1601009-01	2
Euro OTC	Progesterone, microni...	1509008-02	1
Euro OTC	Progesterone, microni...	1509008-01	4
Euro OTC	Progesterone, microni...	1509008_01	1
Euro OTC	Progesterone, microni...	1506033-01	4
Euro OTC	Progesterone, microni...	1503012-01	2
Euro OTC	Progesterone, microni...	7406022-01	1
Euro OTC	Progesterone, microni...	200650	1
Euro OTC	Progesterone, microni...	c01-111218	1
Euro OTC	Progesterone, microni...	c01-130301	1
Euro OTC	Progesterone, microni...	C01-130301 (M)	1
Euro OTC	Progesterone, microni...	C01-130301M	1
Euro OTC	Progesterone, microni...	co1-111218 (M)	1
Euro OTC	Progesterone, microni...	1304040-2	1
Euro OTC	Progesterone, microni...	11110523-01	1
Euro OTC	Progesterone, microni...	1308015-01	1
Euro OTC	Progesterone, microni...	1206024-01	2
Euro OTC	Progesterone, microni...	1211004-01	6
Euro OTC	Progesterone, microni...	12111004-01	1
Euro OTC	Progesterone, microni...	130404001	1
Euro OTC	Progesterone, microni...	1502030-01	2
Euro OTC	Progesterone, microni...	140910-01	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Progesterone, microni...	1409029-01	3
Euro OTC	Progesterone, microni...	1409019-01	1
Euro OTC	Progesterone, microni...	1409010-01	1
Euro OTC	Progesterone, microni...	1304040-02	6
Euro OTC	Progesterone, microni...	1406910-01	1
Euro OTC	Progesterone, microni...	140602202	1
Euro OTC	Progesterone, microni...	1406022-02	2
Euro OTC	Progesterone, microni...	1406022-01	2
Euro OTC	Progesterone, microni...	1401002-01	7
Euro OTC	Progesterone, microni...	1403019-01	2
Euro OTC	Progesterone, microni...	1411043-01	2
Euro OTC	Propyl-4-hydroxybenzo...	2509025	1
Euro OTC	Propyphenazone	B:09369110	1
Euro OTC	Pyridoxal-5-phosphate	1408002-01	1
Euro OTC	Pyridoxine hydrochlor...	1507012-01	1
Euro OTC	Pyridoxine hydrochlor...	13D02-N04	1
Euro OTC	Pyridoxine hydrochlor...	1110001-01	1
Euro OTC	Pyridoxine hydrochlor...	1206022-02	1
Euro OTC	Pyridoxine hydrochlor...	1407009-01	1
Euro OTC	Resocrinol	12g24-n04	1
Euro OTC	Riboflavin	L1305039-01	1
Euro OTC	Riboflavin	L1210048-01	1
Euro OTC	Riboflavin	L1305039-01	1
Euro OTC	Salicylic acid	102455	1
Euro OTC	Salicylic acid	1303020-01	22
Euro OTC	Salicylic acid	140602702	1
Euro OTC	Salicylic acid	14E26-B04-294622	2
Euro OTC	Salicylic acid	1509007-01	12
Euro OTC	Salicylic acid	1106014-01	3
Euro OTC	Salicylic acid	1406027-02	8
Euro OTC	Salicylic acid	115465478596	1
Euro OTC	Selenium yeast	L1404004-01	1
Euro OTC	Selenium yeast	L1401013-01	1
Euro OTC	Selenium yeast	L1503040-01	2
Euro OTC	Selenium yeast	L1210021-01	1
Euro OTC	Sildenafil citrate	1311010-01	6
Euro OTC	Sildenafil citrate	17081504	1
Euro OTC	Sildenafil citrate	131101003	1
Euro OTC	Sildenafil citrate	14051402	1
Euro OTC	Sildenafil citrate	13110-01	1
Euro OTC	Sildenafil citrate	17061405	1
Euro OTC	Sildenafil citrate	1311010-03	2
Euro OTC	Sodium ascorbate	L1308005-01	2
Euro OTC	Sodium ascorbate	1210026-01	1
Euro OTC	Sodium ascorbate	11081401	1
Euro OTC	Sodium ascorbate	7011405	1
Euro OTC	Sodium ascorbate	11121301	1
Euro OTC	Sodium ascorbate	16091301	1
Euro OTC	Sodium ascorbate	13051406	1
Euro OTC	Sodium ascorbate	20091303	1
Euro OTC	Sodium ascorbate	28081304	1
Euro OTC	Sodium ascorbate	13031402	1
Euro OTC	Sodium ascorbate	4021401	1
Euro OTC	Sodium ascorbate	12061407	1
Euro OTC	Sodium benzoate	1510044-01	3
Euro OTC	Sodium benzoate	1304024-01	2
Euro OTC	Sodium benzoate	1506019-01	3
Euro OTC	Sodium benzoate	1309027-01	1
Euro OTC	Sodium benzoate	1307013-01	1
Euro OTC	Sodium benzoate	1304024-01	6

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Supplier	Substance	Batch	Spectra
Euro OTC	Sodium benzoate	1404011-01	6
Euro OTC	Sodium benzoate	1409040-01	1
Euro OTC	Sodium benzoate	1007019-01	1
Euro OTC	Sodium benzoate	1112006-01	2
Euro OTC	Sodium benzoate	1209018-01	6
Euro OTC	Sodium benzoate	2604040V-05	1
Euro OTC	Sodium benzoate	130402401	2
Euro OTC	Sodium benzoate	1209018-18	1
Euro OTC	Sodium citrate	1004010-01	1
Euro OTC	Sodium citrate	358528	1
Euro OTC	Sodium citrate	3454	1
Euro OTC	Sodium citrate	2546426	1
Euro OTC	Sodium citrate	25425	2
Euro OTC	Sodium citrate	30111301	1
Euro OTC	Sodium citrate	2903001-01	1
Euro OTC	Sodium citrate	22101305	1
Euro OTC	Sodium citrate	20200810-6	1
Euro OTC	Sodium citrate	1413M-01900	1
Euro OTC	Sodium citrate	1311025-01	1
Euro OTC	Sodium citrate	1305001-01	12
Euro OTC	Sodium citrate	1107011-01	1
Euro OTC	Sodium citrate	2114M1900	1
Euro OTC	Sodium citrate	1311035-01	1
Euro OTC	Sodium citrate	13I24-B13-287921	1
Euro OTC	Sodium citrate	1404033-01	6
Euro OTC	Sodium citrate	140403301	3
Euro OTC	Sodium citrate	1404033-01	1
Euro OTC	Sodium citrate	14112014-01	1
Euro OTC	Sodium citrate	1511017-01	11
Euro OTC	Sodium citrate	1211030-01	16
Euro OTC	Sodium citrate	1311035-01	19
Euro OTC	Sodium citrate		4
Euro OTC	Sodium citrate	815757/6745	1
Euro OTC	Sodium citrate	1205026-02	6
Euro OTC	Sodium citrate	1205026-02	1
Euro OTC	Sodium citrate	12345	2
Euro OTC	Sodium citrate	1610016-01	1
Euro OTC	Sodium citrate	1305001-01	1
Euro OTC	Sodium citrate	151101701	1
Euro OTC	Sodium citrate	156422	1
Euro OTC	Sodium citrate	16070-01	1
Euro OTC	Sodium citrate	1607040-01	4
Euro OTC	Sodium citrate	1645265	3
Euro OTC	Sodium citrate	17061407	1
Euro OTC	Sodium citrate	1311035-01	2
Euro OTC	Sodium citrate	1412014-01	14
Euro OTC	Sodium citrate	14201401	1
Euro OTC	Sodium citrate	1412014-01	1
Euro OTC	Sodium citrate	1506041-01	9
Euro OTC	Sodium citrate	1506041-01	1
Euro OTC	Sodium cromoglicate	1403017-01	1
Euro OTC	Sodium dihydrogen pho...	1209004-01	2
Euro OTC	Sodium dihydrogen pho...	1305028-01	1
Euro OTC	Sodium edetate	13142018	3
Euro OTC	Sodium hydrogen carbo...	1304017-01	4
Euro OTC	Sodium hydrogen carbo...	1012011-01	2
Euro OTC	Sodium hydrogen carbo...	1104013-01	3
Euro OTC	Sodium hydrogen carbo...	1109029-01	11
Euro OTC	Sodium hydrogen carbo...	120303001	1
Euro OTC	Sodium hydrogen carbo...	1203030-02	8

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Supplier	Substance	Batch	Spectra
Euro OTC	Sodium hydrogen carbo...	1304017-02	2
Euro OTC	Sodium hydrogen carbo...	120800801	2
Euro OTC	Sodium molybdate dihy...	180910	1
Euro OTC	Sodium molybdate dihy...	L1305049-01	2
Euro OTC	Sodium molybdate dihy...	L1204020-01	1
Euro OTC	Sodium sulfate decahy...	1108035-02	4
Euro OTC	Sodium sulfate decahy...	1108035-01	3
Euro OTC	Sodium sulfate decahy...	121000502	2
Euro OTC	Sodium sulfate decahy...	4312I-01920	1
Euro OTC	Sodium tetraborate	1402002-01	2
Euro OTC	Sodium tetraborate	1404025-01	4
Euro OTC	Sodium tetraborate	13111207	1
Euro OTC	Sodium tetraborate	130203401	1
Euro OTC	Sodium tetraborate	1302034-01	1
Euro OTC	Sodium tetraborate	1507024-01	2
Euro OTC	Sodium tetraborate	1408006-01	2
Euro OTC	Sorbitol	1512016-01	1
Euro OTC	Sorbitol	1501048-01	1
Euro OTC	Sorbitol	700476	1
Euro OTC	Sorbitol	1301019-01	2
Euro OTC	Sorbitol	1406014-01	1
Euro OTC	Sorbitol	150652-01	1
Euro OTC	Sorbitol	1506052-01	1
Euro OTC	Spironolactone	1004035	1
Euro OTC	Spironolactone	1212034-01	4
Euro OTC	Spironolactone	1504016-01	1
Euro OTC	Spironolactone	1402029-01	1
Euro OTC	Spironolactone	3513E-03249	1
Euro OTC	Spironolactone	1004035-01	1
Euro OTC	Spironolactone	1101013-01	2
Euro OTC	Sulfacetamide	1312012-01	6
Euro OTC	Sulfacetamide	1312012-02	3
Euro OTC	Sulfacetamide	1509018-01	4
Euro OTC	Sulfacetamide	1112032-02	4
Euro OTC	Talcum powder	1210052-01	5
Euro OTC	Talcum powder	1305022-01	7
Euro OTC	Tartaric acid	12044101	3
Euro OTC	Taurine	1306024-01	7
Euro OTC	Taurine	1302016-01	5
Euro OTC	Taurine	1306024-02	2
Euro OTC	Taurine	1111012-01	1
Euro OTC	Taurine	1203018-01	3
Euro OTC	Testosterone	1106011-01	2
Euro OTC	Testosterone	3x1106011-03	1
Euro OTC	Testosterone	1404002-1	1
Euro OTC	Testosterone	140400201	1
Euro OTC	Testosterone	1404002-01	1
Euro OTC	Testosterone	1404002-01	1
Euro OTC	Testosterone	1207005-02	2
Euro OTC	Testosterone	110611-003	1
Euro OTC	Testosterone	1106011-03	1
Euro OTC	Testosterone propionate	1103010-01	1
Euro OTC	Testosterone propionate	1511003-01	2
Euro OTC	Testosterone propionate	1504023-01	1
Euro OTC	Testosterone propionate	970116/1	1
Euro OTC	Testosterone propionate	1109024-03	1
Euro OTC	Testosterone propionate	1109024-01	1
Euro OTC	Testosterone propionate	1409037-01	1
Euro OTC	Tetracaine base	151022-01	1
Euro OTC	Tetracaine base	12081501	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Tetracaine base	1312034-01	7
Euro OTC	Tetracaine hydrochlor...	1506040-02	3
Euro OTC	Tetracaine hydrochlor...	20160812-2	1
Euro OTC	Tetracaine hydrochlor...	1110010-02	8
Euro OTC	Tetracaine hydrochlor...	141101901	1
Euro OTC	Tetracaine hydrochlor...	1411019-01	16
Euro OTC	Tetracaine hydrochlor...	14G14-B08-300202	1
Euro OTC	Tetracaine hydrochlor...	1409026-02	10
Euro OTC	Tetracaine hydrochlor...	1409026	1
Euro OTC	Tetracaine hydrochlor...	1512019-01	5
Euro OTC	Tetracaine hydrochlor...	17081503	1
Euro OTC	Tetracaine hydrochlor...	1106035-01	5
Euro OTC	Tetracaine hydrochlor...	13155710	5
Euro OTC	Tetracaine hydrochlor...	1310006-01	27
Euro OTC	Tetracaine hydrochlor...	130301201	4
Euro OTC	Tetracaine hydrochlor...	1303012-01	25
Euro OTC	Tetracaine hydrochlor...	1207001-01	25
Euro OTC	Tetracaine hydrochlor...	2906009V-03	1
Euro OTC	Tetracaine hydrochlor...	1207001-02	12
Euro OTC	Tetracaine hydrochlor...	11110010-02	1
Euro OTC	Tetracaine hydrochlor...	140902601	1
Euro OTC	Tetracaine hydrochlor...	14090-26	1
Euro OTC	Tetracaine hydrochlor...	111001002	1
Euro OTC	Tetracycline hydrochl...	1204039-02	17
Euro OTC	Tetracycline hydrochl...	12040390	1
Euro OTC	Tetracycline hydrochl...	28021315	1
Euro OTC	Tetracycline hydrochl...	21111404	1
Euro OTC	Tetracycline hydrochl...	120403902	1
Euro OTC	Tetracycline hydrochl...	1402030-02	7
Euro OTC	Tetracycline hydrochl...	1302012-01	10
Euro OTC	Tetracycline hydrochl...	1506012-01	13
Euro OTC	Tetracycline hydrochl...	1204039-01	7
Euro OTC	Tetracycline hydrochl...	100518-62	1
Euro OTC	Tetracycline hydrochl...	150601201	1
Euro OTC	Tetracycline hydrochl...	1110029-01	6
Euro OTC	Tetracycline hydrochl...	1603026-01	2
Euro OTC	Tetracycline hydrochl...	14120007-01	1
Euro OTC	Tetracycline hydrochl...	141200701	1
Euro OTC	Tetracycline hydrochl...	140410-62	1
Euro OTC	Thiamine chloride hyd...	1211008-01	1
Euro OTC	Thiamine chloride hyd...	L1305038-01	1
Euro OTC	Thiamine chloride hyd...	1106001-01	1
Euro OTC	Thymol	1510004-01	1
Euro OTC	Thymol	20151012-1	1
Euro OTC	Thymol	1510004-02	1
Euro OTC	Thymol	1202028-01	1
Euro OTC	Thymol	1410007-01	3
Euro OTC	Tobramycin sulfate	15I17-B04-315697	1
Euro OTC	Tobramycin sulfate	1505015-01	1
Euro OTC	Tocomax 20%	100912	1
Euro OTC	Tosylchloramide sodium	14B27-B03-29401	1
Euro OTC	Tretinoin	1402007-01	1
Euro OTC	Tretinoin	1402007-03	4
Euro OTC	Tretinoin	1304028-01	1
Euro OTC	Tretinoin	10429AX21	1
Euro OTC	Tretinoin	1402007-02	1
Euro OTC	Tretinoin	1109014-02	5
Euro OTC	Tretinoin	141107602	1
Euro OTC	Tretinoin	140200701	1
Euro OTC	Tretinoin	14101602	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Tretinoin	1402007	1
Euro OTC	Tretinoin	1604059-01	3
Euro OTC	Tretinoin	1304028-02	11
Euro OTC	Tretinoin	1411016-01	2
Euro OTC	Tretinoin	1402007-01	4
Euro OTC	Tretinoin	1402007-02	7
Euro OTC	Tretinoin	1510007-02	6
Euro OTC	Tretinoin	12959AX20	1
Euro OTC	Tretinoin	141101602	1
Euro OTC	Tretinoin	1304028-01	6
Euro OTC	Tretinoin	130102802	1
Euro OTC	Tretinoin	14020007-01	1
Euro OTC	Tretinoin	14110116-02	1
Euro OTC	Tretinoin	13041028-01	1
Euro OTC	Tretinoin	1402007-03	1
Euro OTC	Triamcinolone acetonide	29011503	1
Euro OTC	Triamcinolone acetonide	111005-01	1
Euro OTC	Triamcinolone acetonide	1110005-01	5
Euro OTC	Triamcinolone acetonide	130704301	1
Euro OTC	Triamcinolone acetonide	1112023-01	3
Euro OTC	Triamcinolone acetonide	26081405	1
Euro OTC	Triamcinolone acetonide	1112023-02	10
Euro OTC	Triamcinolone acetonide	29081501	1
Euro OTC	Triamcinolone acetonide	1303001-01	1
Euro OTC	Triamcinolone acetonide	NV2998M	1
Euro OTC	Triamcinolone acetonide	80616-5	1
Euro OTC	Triamcinolone acetonide	31101414	1
Euro OTC	Triamcinolone acetonide	1110004-01	2
Euro OTC	Triamcinolone acetonide	1211013-02	1
Euro OTC	Triamcinolone acetonide	NV0635M	1
Euro OTC	Triamcinolone acetonide	1013I-02516	1
Euro OTC	Triamcinolone acetonide	1504007-02	8
Euro OTC	Triamcinolone acetonide	1403009-02	14
Euro OTC	Triamcinolone acetonide	1504007-01	9
Euro OTC	Triamcinolone acetonide	1407044-01	11
Euro OTC	Triamcinolone acetonide	1407044-02	9
Euro OTC	Triamcinolone acetonide	14120130	1
Euro OTC	Triamcinolone acetonide	1412013-01	9
Euro OTC	Triamcinolone acetonide	141201301	1
Euro OTC	Triamcinolone acetonide	14188304	4
Euro OTC	Triamcinolone acetonide	1412013-02	4
Euro OTC	Triamcinolone acetonide	141201302	1
Euro OTC	Triamcinolone acetonide	1508008-01	6
Euro OTC	Triamcinolone acetonide	14030009-01	2
Euro OTC	Triamcinolone acetonide	1307043-01	5
Euro OTC	Triamcinolone acetonide	1307043-02	11
Euro OTC	Triamcinolone acetonide	17061406	1
Euro OTC	Triamcinolone acetonide	1608005-01	3
Euro OTC	Triamcinolone acetonide	1605010-01	6
Euro OTC	Triamcinolone acetonide	1508008-02	7
Euro OTC	Triamcinolone acetonide	150800802	2
Euro OTC	Triamcinolone acetonide	15233904	8
Euro OTC	Triamcinolone acetonide	15404007-01	1
Euro OTC	Triamcinolone acetonide	1403009-01	7
Euro OTC	Triamcinolone acetonide	14030009-02	1
Euro OTC	Triamcinolone acetonide	B0544/111404	1
Euro OTC	Triamcinolone acetonide	1412013-02	1
Euro OTC	Triamcinolone acetonide	1209040-01	5
Euro OTC	Triamcinolone acetonide	1303001-01	4
Euro OTC	Triamcinolone acetonide	13030001-01	1

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Supplier	Substance	Batch	Spectra
Euro OTC	Triamcinolone acetonide	1211013-01	15
Euro OTC	Triamcinolone acetonide	12G6008-01	1
Euro OTC	Triamcinolone acetonide	1211013-02	16
Euro OTC	Triamcinolone acetonide	1504007-01	1
Euro OTC	Triamcinolone acetonide	150400701	1
Euro OTC	Triamcinolone acetonide	1211013-01	1
Euro OTC	Triamcinolone acetonide	141201302	1
Euro OTC	Triamcinolone acetonide	1403009-02	1
Euro OTC	Triamcinolone acetonide	1307043-01	7
Euro OTC	Triamcinolone acetonide	1307043-02	1
Euro OTC	Triamcinolone acetonide	1307043-03	1
Euro OTC	Triamcinolone acetonide	1407044-02	1
Euro OTC	Triamcinolone acetonide	3051402	1
Euro OTC	Triamcinolone acetonide	1412013-01	1
Euro OTC	Triamcinolone acetonide	1303001-02	10
Euro OTC	Triamcinolone acetonide	1303001-01	1
Euro OTC	Triamcinolone acetonide	1206008-01	6
Euro OTC	Triamcinolone acetonide	20130912-5	1
Euro OTC	Tricalcium phosphate	1304025-01	2
Euro OTC	Tricalcium phosphate	1206002-01	4
Euro OTC	Triclosan	140103801	1
Euro OTC	Triclosan	1406032-01	8
Euro OTC	Triclosan	1401038-01	10
Euro OTC	Triclosan	1307050-01	6
Euro OTC	Triclosan	130301101	1
Euro OTC	Triclosan	1303011-01	6
Euro OTC	Triclosan	140603201	1
Euro OTC	Triclosan	1602003-01	7
Euro OTC	Triclosan	1607002-01	1
Euro OTC	Triclosan	160702-01	1
Euro OTC	Triclosan	1609005-01	2
Euro OTC	Triclosan	700228	1
Euro OTC	Triclosan	CHB1303011-01	1
Euro OTC	Triclosan	1510045-01	4
Euro OTC	Triclosan	1408024-01	9
Euro OTC	Triclosan	1501032-01	4
Euro OTC	Triclosan	1501032-02	4
Euro OTC	Triclosan	1505009-01	7
Euro OTC	Triclosan	150500901	1
Euro OTC	Triclosan	1507041-01	5
Euro OTC	Triclosan	1211025-01	11
Euro OTC	Triclosan	120203-02	1
Euro OTC	Triclosan	12276023	1
Euro OTC	Triclosan	1006024-01	1
Euro OTC	Triclosan	1202018-02	2
Euro OTC	Triclosan	4486611	2
Euro OTC	Trometamol	1203005-02	2
Euro OTC	Tyrosine	L1401037	1
Euro OTC	Tyrosine	L1210050-01	1
Euro OTC	Ubidecarenone	L1412004-01	1
Euro OTC	Ubidecarenone	1515M-07029	1
Euro OTC	Ubidecarenone	1014E-07029	1
Euro OTC	Ubidecarenone	1403020-02	1
Euro OTC	Ubidecarenone	L1403020-01	1
Euro OTC	Ubidecarenone	1205029-01	1
Euro OTC	Ubidecarenone	1104003-01	1
Euro OTC	Urea	1003024-02	2
Euro OTC	Urea	1212007-01	13
Euro OTC	Urea	1404024-01	16
Euro OTC	Urea	1503042-01	11

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Supplier	Substance	Batch	Spectra
Euro OTC	Urea	14107101	8
Euro OTC	Urea	1601044-01	3
Euro OTC	Urea	72/14	1
Euro OTC	Urea	1515404	1
Euro OTC	Urea	13064239	3
Euro OTC	Urea	121200701	1
Euro OTC	Urea	1110023-01	2
Euro OTC	Urea	1212007-02	1
Euro OTC	Valine	L1106045-01	1
Euro OTC	Valine	L1309029-02	1
Euro OTC	Valine	L1309029-01	1
Euro OTC	Wax, yellow	1407013-01	2
Euro OTC	Wax, yellow	1201012-01	1
Euro OTC	Zinc gluconate	1405011-01	1
Euro OTC	Zinc gluconate	1312010-01	1
Euro OTC	Zinc orotate dihydrate	1107029-1	1
Euro OTC	Zinc sulfate heptahyd...	1201031-01	1
Euro OTC	Zinc sulfate heptahyd...	1105002-01	2
Euro OTC	Zinc sulfate heptahyd...	1309011_0	1
Euro OTC	Zinc sulfate heptahyd...	1201031-02	1
Euro OTC	Zinc sulfate heptahyd...	1201031-2	1
Euro OTG	Pilocarpine hydrochlo...	1305044-01	2
euro/ Anzag	Triamcinolone acetone...	3315I02516	1
Euro/ Sanacorp	Metronidazole	150800402	1
Euro/ Sanacorp	Progesterone, microni...	C01-131116(M)	1
EUro/AHD	Caffeine	121012-01	1
EUro/AHD	Calcium chloride dihy...	1205014-02	2
EUro/AHD	Prednisolone acetate	1306040-02	18
EUro/AHD	Prednisolone acetate	1306040-01	24
Euro/Alliance Healthc...	Lidocaine hydrochloride	150523-01	1
Euro/Anzag	Minoxidil	150903501	1
Euro/Gehe	Betamethasone valerate	1108045-02	5
Euro/Gehe	Minoxidil	140528-01	2
Euro/Noweda	Ambroxol hydrochloride	1509032-01	1
Euro/phönix	Neomycin sulfate	1502004-01	4
Euro/phönix	Prednisone	140104-02	1
Euro/Phönix	Lidocaine hydrochloride	141101010-01	1
Euro/Phönix	Tetracaine hydrochlor...	1506040-01	10
Euro/Sanacorp	alpha-tocopheryl acet...	150700101	1
Euro/Sanacorp	Carbomer 35000 / 50000	1305007-01	2
Euro/Sanacorp	Metronidazole	1609028	1
euroct/gehe	Tetracaine hydrochlor...	1405026-01	20
euroct/gehe	Triamcinolone acetone...	1403009	1
Euroh/Noweda	Emulsifying cetostear...	1504010-01	1
euroho/gehe	Clobetasol propionate	110804404	3
euroho/gehe	Sodium hydrogen carbo...	123030-02	1
Euroo	Glucose monohydrate	1604006-01	6
Euroo/Anzag	Calcium pantothenate	1509024-01	4
Euroo/Phoenix	Aluminium chloride he...	120014-02	1
Euroo/Phoenix	Povidone iodine	G3115BPZ0	1
Euroo/Phoenix	Testosterone	1307001-01	7
Euroo/Sana	Povidone iodine	1501029-01	3
Europharm	Menthol	130501-01	1
Europharm/Otto	Diclofenac sodium	135796	1
Europharm/Otto	Lactose monohydrate	1106022-01	1
Europharm/Sanacorp	Triamcinolone acetone...	B0544/111040	2
europharma	Prednisolone, microni...	1002001240	1
EuroPTC/Phönix	Miconazole nitrate	14149316	1
EuroTOC	Ambroxol hydrochloride	1602015-01	1
EuroTOC / Noweda	Tetracaine hydrochlor...	131000601	2

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Supplier	Substance	Batch	Spectra
EurRho/ Anzag	Diclofenac sodium	1403013-03	4
Fa	Clobetasol propionate	11/29-N07	2
Faagron	Methadone hydrochloride	1437H011	1
Fagraon	Bacitracin	14E23-B03-303424	1
Fagro	Emulsifying cetostear...	5211Q-01078	1
Fagro	Mometasone furoate, m...	1511B02	1
Fagro/Anzag	Oxytetracycline hydro...	14122-B01-301464	1
Fagro/Gehe	Sodium edetate	601H1300	5
Fagron	(R,S)-epinephrine hyd...	2021503	1
Fagron	3,4-diaminopyridine	13F07-N07	1
Fagron	3,4-diaminopyridine	11K07-N02	1
Fagron	3,4-diaminopyridine	13K14-M03	1
Fagron	3,4-diaminopyridine	13K14-M01	1
Fagron	3,4-diaminopyridine	13L12-M03	1
Fagron	3,4-diaminopyridine	11/14-N03	1
Fagron	3,4-diaminopyridine	13K14-M02	1
Fagron	3,4-diaminopyridine	14H11-B06	3
Fagron	3,4-diaminopyridine	15B20-B02	3
Fagron	3,4-diaminopyridine	13L12-M06	2
Fagron	5-aminolevulinic acid...	7447	1
Fagron	5-aminolevulinic acid...	11K09-N04	1
Fagron	5-aminolevulinic acid...	14K04-B01-297971	2
Fagron	5-aminolevulinic acid...	12c23-n05	1
Fagron	5-aminolevulinic acid...	13H13-N07	2
Fagron	5-aminolevulinic acid...	11I30-N01	1
Fagron	5-aminolevulinic acid...	13C19-N05	3
Fagron	5-aminolevulinic acid...	12K26-N05	2
Fagron	5-aminolevulinic acid...	12H20-N01	2
Fagron	5-aminolevulinic acid...	13J29-N03	2
Fagron	8-quinolinol sulfate ...	11L08-N08	1
Fagron	8-quinolinol sulfate ...	10F01-N15	1
Fagron	8-quinolinol sulfate ...	11/09-N09	1
Fagron	8-quinolinol sulfate ...	13G10-N06	1
Fagron	8-quinolinol sulfate ...	13A04-N05	2
Fagron	8-quinolinol sulfate ...	11I09-N09	1
Fagron	8-quinolinol sulfate ...	11L08-N07	2
Fagron	8-quinolinol sulfate ...	11L19-N14	1
Fagron	Acetylcysteine	13A22N07	1
Fagron	Acetylsalicylic acid	14B10-B02-296841	1
Fagron	Albendazole	14B05-B41	1
Fagron	Albendazole	14B05B41-312959	1
Fagron	Alchemilla, cut	11182802	1
Fagron	Alfatradiol	13L30B32-290741	1
Fagron	Alfatradiol	XP101UT	1
Fagron	Alfatradiol	11K25-N01	3
Fagron	Alfatradiol	14722-B30-302018	1
Fagron	Alfatradiol	14G07-B99-294942	1
Fagron	Alfatradiol	11k25-N01	1
Fagron	Alfatradiol	14G07-B99-294945	1
Fagron	Alfatradiol	14G07-B99-294945	3
Fagron	Alfatradiol	14I22-B30-302017	1
Fagron	Alfatradiol	14G07-B99	1
Fagron	Alfatradiol	15G07-B01-310227	2
Fagron	Alfatradiol	15G07-B01-310228	1
Fagron	Alfatradiol	11D07-N19	1
Fagron	Alfatradiol	15G07-B01-310229	2
Fagron	Alfatradiol	15G07-B01-311881	2
Fagron	Alfatradiol	12L10-N08	1
Fagron	Alfatradiol	13G19-N06	1
Fagron	Alfatradiol	12J27-B08-314546	1

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Supplier	Substance	Batch	Spectra
Fagron	Alfatradiol	15J27-B08	1
Fagron	Alfatradiol	13G19-N06	2
Fagron	Alfatradiol	15j27-B08-314546	1
Fagron	Alfatradiol	13L30-B32	1
Fagron	Alfatradiol	13L30B32	1
Fagron	Alfatradiol	13L30-B32	1
Fagron	Alfatradiol	13L30-B32- . . .	1
Fagron	Alfatradiol	13130b32290742	1
Fagron	Alfatradiol	13G19-No6	1
Fagron	Alfatradiol	13L30-B32-290742	1
Fagron	Alfatradiol	11B07-N05	1
Fagron	Alfatradiol	13L30-B32-290739	1
Fagron	Alfatradiol	12H29-N05	4
Fagron	Alfatradiol	12L19-N08	10
Fagron	Alfatradiol	13G19-N06	17
Fagron	Alfatradiol	12L19-No8	1
Fagron	Alfatradiol	11G22-N11	3
Fagron	Allantoin	K93403115	1
Fagron	Allantoin	13I03-B05-289430	1
Fagron	Allantoin	13G16-N07	8
Fagron	Allantoin	12C30-N04	2
Fagron	Allantoin	12B09-N09	1
Fagron	alpha-tocopheryl acet...	13H30-B02-287169	1
Fagron	Aluminium chloride he...	13D22N09	2
Fagron	Aluminium chloride he...	105282-0001	1
Fagron	Aluminium chloride he...	C012A	1
Fagron	Aluminium chloride he...	11 23-N06	1
Fagron	Aluminium chloride he...	8547287	1
Fagron	Aluminium chloride he...	12G05-N0	1
Fagron	Aluminium chloride he...	12323702	17
Fagron	Aluminium chloride he...	13D22-09	1
Fagron	Aluminium chloride he...	13D22.-N09	1
Fagron	Aluminium chloride he...	105282-0002	1
Fagron	Aluminium chloride he...	1901211095	1
Fagron	Aluminium chloride he...	11C07_N05	1
Fagron	Aluminium chloride he...	1910211095	1
Fagron	Aluminium chloride he...	2013U-01095	1
Fagron	Aluminium chloride he...	13d22no9	1
Fagron	Aluminium chloride he...	11G05-N02	1
Fagron	Aluminium chloride he...	2405211095	1
Fagron	Aluminium chloride he...	11/23-N06B206A	1
Fagron	Aluminium chloride he...	2913U1095	1
Fagron	Aluminium chloride he...	5213A1095	1
Fagron	Aluminium chloride he...	11123-N06	3
Fagron	Aluminium chloride he...	12127-N01	5
Fagron	Aluminium chloride he...	12L11-N03	3
Fagron	Aluminium chloride he...		3
Fagron	Aluminium chloride he...	12i27-N01	2
Fagron	Aluminium chloride he...	12I-27-N01	1
Fagron	Aluminium chloride he...	12I27-N01	11
Fagron	Aluminium chloride he...	12c07n01	1
Fagron	Aluminium chloride he...	12G05-N10	29
Fagron	Aluminium chloride he...	12g05-n10	1
Fagron	Aluminium chloride he...	1227N01	1
Fagron	Aluminium chloride he...	12/11-No3	1
Fagron	Aluminium chloride he...	12/27/N01	1
Fagron	Aluminium chloride he...	12047512	3
Fagron	Aluminium chloride he...	C181A	2
Fagron	Aluminium chloride he...	11G05-No2	1
Fagron	Aluminium chloride he...	1207211095	1

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Supplier	Substance	Batch	Spectra
Fagron	Aluminium potassium s...	12I24-M03	1
Fagron	Aluminium potassium s...	12/24-M02	1
Fagron	Aluminium potassium s...	A1-063-A1	1
Fagron	Aluminium potassium s...	13D29-N04	1
Fagron	Aluminium potassium s...	13D08-N01	2
Fagron	Aluminium potassium s...	A1-063-AL	1
Fagron	Aluminium potassium s...	11F20-M12	1
Fagron	Ambroxol hydrochloride	12K12-N02	1
Fagron	Amphetamine sulfate	88689	2
Fagron	Amphetamine sulfate	2213Q-03361	1
Fagron	Amphetamine sulfate	11/01-N01	1
Fagron	Amphetamine sulfate	11D04-N13	1
Fagron	Amphetamine sulfate	12/24N-03	1
Fagron	Amphetamine sulfate	12B06-N13	3
Fagron	Amphetamine sulfate	12E11-N06	5
Fagron	Amphetamine sulfate	13B11-N04	5
Fagron	Amphetamine sulfate	CH13B11-N04	1
Fagron	Amphetamine sulfate	78012	1
Fagron	Amphetamine sulfate	13/18-B40-290538	1
Fagron	Amphetamine sulfate	13J18-B40	1
Fagron	Amphetamine sulfate	13J18B40	1
Fagron	Amphetamine sulfate	13J18-B40-290538	2
Fagron	Amphetamine sulfate	14E19-B09	2
Fagron	Amphetamine sulfate	14E19-B09-294572	2
Fagron	Amphetamine sulfate	14E19-B09-294573	1
Fagron	Amphetamine sulfate	14E19-B09-304502	2
Fagron	Amphetamine sulfate	16A29-B03	1
Fagron	Amphetamine sulfate	16A29-B03-318743	1
Fagron	Arginine	13I24-N01	1
Fagron	Arginine	13J28-B02-290463	1
Fagron	Arginine	13/24-N01	1
Fagron	Arginine	14B25-B04	2
Fagron	Arginine	12C21-N04	2
Fagron	Arginine	13F14-N02	2
Fagron	Arginine hydrochloride	13J28-B03	2
Fagron	Arginine hydrochloride	13J28-B03-287766	1
Fagron	Arginine hydrochloride	12C20-N08	1
Fagron	Arginine hydrochloride	13j28-b03-287768	1
Fagron	Arginine hydrochloride	12G25-N13	1
Fagron	Arginine hydrochloride	13J28-B032x	1
Fagron	Arginine hydrochloride	13j28-B03-287768	1
Fagron	Ascorbic acid	12/25-N04	1
Fagron	Ascorbyl palmitate	14I03-N01	1
Fagron	Ascorbyl palmitate	15f01-b99-309774	1
Fagron	Ascorbyl palmitate	15F01-B99-525121	2
Fagron	Ascorbyl palmitate	15F01-B99	1
Fagron	Ascorbyl palmitate	13C06-B40-291206	2
Fagron	Bacitracin	14E23-B03-296243	1
Fagron	Bacitracin	14e23-b03-296243	1
Fagron	Bacitracin	14E23-B03-296243	7
Fagron	Bacitracin	14A21-B09	1
Fagron	Bacitracin	14A21-B09	1
Fagron	Bacitracin	13C13-N10	1
Fagron	Bacitracin	14A21-B09-290643	2
Fagron	Bacitracin	14A21-B09-292908	2
Fagron	Bacitracin	14E23-B03	3
Fagron	Bacitracin	14E23-B03-303425	1
Fagron	Bacitracin	16B17-B03	1
Fagron	Bacitracin	16B17-B03-322891	2
Fagron	Bacitracin	211531	1

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Supplier	Substance	Batch	Spectra
Fagron	Bacitracin	28051509	1
Fagron	Bacitracin	31071503	1
Fagron	Bacitracin	C2280017	3
Fagron	Bacitracin	700193-0001	1
Fagron	Bacitracin	15C12-B06-309185	1
Fagron	Bacitracin	15C12-B06	1
Fagron	Bacitracin	14E23-B03-333424	1
Fagron	Bacitracin	11/17-N01	1
Fagron	Bacitracin	11J17-N01	2
Fagron	Bacitracin	12G12-N17	1
Fagron	Bacitracin	13A03-N11	1
Fagron	Bacitracin	13B25-B01	1
Fagron	Bacitracin	11E23-N10	1
Fagron	Bacitracin	13D26-N08	1
Fagron	Beclometasone dipropi...	13I05-N03	3
Fagron	Beclometasone dipropi...	13/05-N03	1
Fagron	Beclometasone dipropi...	13E02-B40	1
Fagron	Beclometasone dipropi...	13E02-B40-296353	1
Fagron	Beclometasone dipropi...	13E02-B40-293327	4
Fagron	Beclometasone dipropi...	11F28-N02	2
Fagron	Beclometasone dipropi...	13I05N03	1
Fagron	Beclometasone dipropi...	14D04-B04302336	1
Fagron	Beclometasone dipropi...	C0783/112020	1
Fagron	Beclometasone dipropi...	14D04-B04-302336	2
Fagron	Beclometasone dipropi...	12D12-N03	5
Fagron	Beclometasone dipropi...	14D04-B04-302336	1
Fagron	Beclometasone dipropi...	12G04-N11	3
Fagron	Beclometasone dipropi...	13/05-N03	1
Fagron	Beclometasone dipropi...	13E02-B40-296354	2
Fagron	Beclometasone dipropi...	13E02-B40-293328	2
Fagron	Benzocaine	13L06-B02_297505	1
Fagron	Benzocaine	11I22-N03	1
Fagron	Benzocaine	13L06-B02	2
Fagron	Benzocaine	13L06-B02-294100	2
Fagron	Benzocaine	11/22-N3	1
Fagron	Benzocaine	104210-0001	1
Fagron	Benzocaine	10K02-N01	1
Fagron	Benzocaine	11K08-B40	3
Fagron	Benzocaine	11/22-N03	1
Fagron	Benzocaine	12H10-N06	6
Fagron	Benzocaine	13L06-B02-300494	1
Fagron	Benzocaine	12E04-N06	10
Fagron	Benzocaine	11k08-b40-291841	1
Fagron	Benzocaine	400313	1
Fagron	Benzocaine	11K08-B40-291841	3
Fagron	Benzocaine	BZ-08/11-12	1
Fagron	Benzocaine	11K08-B40-291840	1
Fagron	Benzocaine	14G02-B01-310324	2
Fagron	Benzocaine	15C19-B04-322019	1
Fagron	Benzocaine	BZ-27/1112	1
Fagron	Benzocaine	11K08B40290050	1
Fagron	Benzocaine	4413E-01118	1
Fagron	Benzocaine	15C19-B04	1
Fagron	Benzydamine hydrochlo...	15I17-B02	1
Fagron	Benzydamine hydrochlo...	12K07-N16	1
Fagron	Benzydamine hydrochlo...	1503309P	1
Fagron	Benzydamine hydrochlo...	15A14-B05-303068	1
Fagron	Benzydamine hydrochlo...	15A14-B05	1
Fagron	Benzydamine hydrochlo...	1503313P	1
Fagron	Benzydamine hydrochlo...	12C20-N02	1

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Supplier	Substance	Batch	Spectra
Fagron	Benzydamine hydrochlo...	14B25-B01-294054	1
Fagron	Benzydamine hydrochlo...	12j10-n03	1
Fagron	Benzydamine hydrochlo...	13A15-N03	1
Fagron	Benzydamine hydrochlo...	13H19_N06	1
Fagron	Betaine hydrochloride	13H13-N02	1
Fagron	Betaine hydrochloride	24091301	1
Fagron	Betaine hydrochloride	15121401	1
Fagron	Betaine hydrochloride	12C20-N09	1
Fagron	Betaine hydrochloride	13G29-B02-294870	1
Fagron	Betamethasone dipropi...	12B27-N08	4
Fagron	Betamethasone dipropi...	13023004	1
Fagron	Betamethasone dipropi...	12C21-N13	1
Fagron	Betamethasone dipropi...	11I02-N01	1
Fagron	Betamethasone dipropi...	12827-N08	1
Fagron	Betamethasone dipropi...	11K28-N10	4
Fagron	Betamethasone dipropi...	13j16-b01-291845	1
Fagron	Betamethasone dipropi...	13J16-B01-291845	2
Fagron	Betamethasone dipropi...	14C03-B06-296837	4
Fagron	Betamethasone dipropi...	13J16-B01-291844	1
Fagron	Betamethasone dipropi...	13I17-N05	3
Fagron	Betamethasone dipropi...	13/17-n05	1
Fagron	Betamethasone dipropi...	13I17-N05	8
Fagron	Betamethasone dipropi...	8K03-N13	1
Fagron	Betamethasone dipropi...	9J05-N09	1
Fagron	Betamethasone dipropi...	13 17-N050632/1870	1
Fagron	Betamethasone dipropi...	10E19-N03	1
Fagron	Betamethasone dipropi...	11D26-N06	2
Fagron	Betamethasone dipropi...	13/17-N05	9
Fagron	Betamethasone dipropi...	13/17-N05	5
Fagron	Betamethasone dipropi...	14C03-B06	1
Fagron	Betamethasone dipropi...	15H25-B06-313088	1
Fagron	Betamethasone dipropi...	1317-N05	1
Fagron	Betamethasone valerate	13k29b32288247	1
Fagron	Betamethasone valerate	14G30-B05-309521	1
Fagron	Betamethasone valerate	13K29-B32-288246	3
Fagron	Betamethasone valerate	13K29-B32-288244	1
Fagron	Betamethasone valerate	14H28-b01-302866	1
Fagron	Betamethasone valerate	13K29-B32-288247	16
Fagron	Betamethasone valerate	13K29-B32-288245	1
Fagron	Betamethasone valerate	14G30-B05	3
Fagron	Betamethasone valerate	13K29-B32-288248	3
Fagron	Betamethasone valerate	14H28-B01-302683	1
Fagron	Betamethasone valerate	14C19-B02-292646	1
Fagron	Betamethasone valerate	14C19-B02-292648	1
Fagron	Betamethasone valerate	14G30B05309519	1
Fagron	Betamethasone valerate	14G30-B05-309518	1
Fagron	Betamethasone valerate	14h28-b01-302865	2
Fagron	Betamethasone valerate	13117-B08-292649	2
Fagron	Betamethasone valerate	14H28-B01-302865	10
Fagron	Betamethasone valerate	14H28-B01-302864	2
Fagron	Betamethasone valerate	14G30-B05-296175	1
Fagron	Betamethasone valerate	14G30-B05-296173	6
Fagron	Betamethasone valerate	14C19-B02-292650	2
Fagron	Betamethasone valerate	14H28-B01	3
Fagron	Betamethasone valerate	14C19-B02-296169	2
Fagron	Betamethasone valerate	13K29-B32-288250	3
Fagron	Betamethasone valerate	14C19-B02-296168	2
Fagron	Betamethasone valerate	14C19-B02-2926550	1
Fagron	Betamethasone valerate	14H28-B01-302863	2
Fagron	Betamethasone valerate	14C19-B02-292653	7

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Supplier	Substance	Batch	Spectra
Fagron	Betamethasone valerate	14C19B02	1
Fagron	Betamethasone valerate	14G30-B05-309520	2
Fagron	Betamethasone valerate	14H28B01	1
Fagron	Betamethasone valerate	14H28-B01-302866	3
Fagron	Betamethasone valerate	14G30-B05-296172	2
Fagron	Betamethasone valerate	12L11-N01	20
Fagron	Betamethasone valerate	12K07N23	1
Fagron	Betamethasone valerate	12K07-N23	9
Fagron	Betamethasone valerate	612211181	1
Fagron	Betamethasone valerate	11E18-N03	4
Fagron	Betamethasone valerate	11K18-N09	5
Fagron	Betamethasone valerate	12L11-N01	3
Fagron	Betamethasone valerate	13G19-N01	48
Fagron	Betamethasone valerate	13D03-N07	54
Fagron	Betamethasone valerate	BV019/0514	1
Fagron	Betamethasone valerate	BV036/1215	1
Fagron	Betamethasone valerate	BV-BLT225/0514	3
Fagron	Betamethasone valerate	13/17-B08-292649	1
Fagron	Betamethasone valerate	12B28-N01	18
Fagron	Betamethasone valerate	NS2072M	2
Fagron	Betamethasone valerate	90616-2	1
Fagron	Betamethasone valerate	11k18-n09	1
Fagron	Betamethasone valerate	13G19N01	1
Fagron	Betamethasone valerate	NP1351M	1
Fagron	Betamethasone valerate	NR1545M	1
Fagron	Betamethasone valerate	NS0706M	2
Fagron	Betamethasone valerate	12G09-N07	34
Fagron	Betamethasone valerate	13d03-n07	3
Fagron	Betamethasone valerate	13G19-N01	1
Fagron	Betamethasone valerate	13K29B32	1
Fagron	Betamethasone valerate	14G30-B05-29617	1
Fagron	Betamethasone valerate	20101012-1	1
Fagron	Betamethasone valerate	2B28-N01	1
Fagron	Betamethasone valerate	700103-0004	1
Fagron	Betamethasone valerate	15824-B04	1
Fagron	Betamethasone valerate	13K05-B08-292652	1
Fagron	Betamethasone valerate	15B24-B04	2
Fagron	Betamethasone valerate	15B24-B04-307015	1
Fagron	Betamethasone valerate	13K05-B08-292647	3
Fagron	Betamethasone valerate	13K05-B08-092652	1
Fagron	Betamethasone valerate	13K05-B08	3
Fagron	Betamethasone valerate	15B24-B04-307016	6
Fagron	Betamethasone valerate	1516-B07-317417	1
Fagron	Betamethasone valerate	13K29B32288243	1
Fagron	Betamethasone valerate	13K29-B32-28824	1
Fagron	Betamethasone valerate	13K29-B32	5
Fagron	Betamethasone valerate	13K29-B12-288247	1
Fagron	Betamethasone valerate	14H28-B01-302877	3
Fagron	Betamethasone valerate	14H28-B01-305470	1
Fagron	Betamethasone valerate	15/16-B07_317428	1
Fagron	Betamethasone valerate	15/16-B07-317428	1
Fagron	Betamethasone valerate	15F16-B04	1
Fagron	Betamethasone valerate	15I16-B07-317417	1
Fagron	Betamethasone valerate	15I16-B07-319832	1
Fagron	Betamethasone valerate	16B18-B02-320971	3
Fagron	Betamethasone valerate	16B18-B02-322111	1
Fagron	Betamethasone valerate	16B18-B02-323034	1
Fagron	Betamethasone valerate	2186	1
Fagron	Betamethasone valerate	292652	1
Fagron	Betamethasone valerate	15I16-B07	1

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Supplier	Substance	Batch	Spectra
Fagron	Betamethasone valerate	14c19-b02-292650	1
Fagron	Betamethasone valerate	15F16-B04-314054	1
Fagron	Betamethasone valerate	15F16-B04-314882	1
Fagron	Betamethasone valerate	15F16-B04-315328	1
Fagron	Betamethasone, micron...	12D26N08	1
Fagron	Betamethasone, micron...	12J01-N02	1
Fagron	Betamethasone, micron...	14C13-B02	3
Fagron	Betamethasone, micron...	14C13-B02-296154	1
Fagron	Betamethasone, micron...	14C13-B02-296164	1
Fagron	Betamethasone, micron...	14C13-B02-296164	2
Fagron	Betamethasone, micron...	14C13-B02-305561	1
Fagron	Betamethasone, micron...	14c13-bo2-305561	1
Fagron	Betamethasone, micron...	11H31-B06-288217	1
Fagron	Betamethasone, micron...	12D26-N08	1
Fagron	Betamethasone, micron...	9K25-N13	1
Fagron	Betamethasone, micron...	9071304	1
Fagron	Betamethasone, micron...	12J01-N02	1
Fagron	Betamethasone, micron...	9J26-N08	1
Fagron	Betamethasone-17-vale...	12G02-N15	2
Fagron	Betamethasone-17-vale...	12A05-N08	1
Fagron	Betamethasone-17-vale...	12L19-N06	2
Fagron	Betamethasone-17-vale...	12J19-N06	1
Fagron	Bifonazole	16D07-B10-32480	1
Fagron	Bifonazole	16D07-B10-324380	1
Fagron	Bifonazole	14K10-B01-308349	1
Fagron	Bifonazole	14K10-B01-312067	1
Fagron	Bifonazole	14K10-B01-306783	1
Fagron	Bifonazole	11071202	1
Fagron	Bifonazole	12E29-N03	3
Fagron	Bifonazole	12G11-N09	2
Fagron	Bifonazole	13G10-N02	1
Fagron	Bifonazole	14C28-B03-292388	1
Fagron	Bifonazole	14K10-B01-300541	4
Fagron	Bifonazole	14K10-B01-306783	2
Fagron	Bifonazole	11F20-N06	1
Fagron	Biotin	13111202	1
Fagron	Biotin	13081203	1
Fagron	Biotin	20110634	1
Fagron	Biotin	1017-N08	1
Fagron	Biotin	14d04-b07-292963	1
Fagron	Biotin	13K29-N02	3
Fagron	Biotin	12C14-N01	2
Fagron	Biotin	12111302	1
Fagron	Birch leaf, cut	7061301	1
Fagron	Bismuth gallath, basic	1318B13294108	1
Fagron	Bismuth gallath, basic	13G10-N12	1
Fagron	Bismuth gallath, basic	13G10-N12	1
Fagron	Bismuth gallath, basic	13I18-B13	2
Fagron	Bismuth gallath, basic	13I18-B13	2
Fagron	Bismuth gallath, basic	13I18-B13-294108	3
Fagron	Bismuth gallath, basic	13K08-N03	1
Fagron	Bismuth gallath, basic	14H13B07303639	1
Fagron	Bismuth gallath, basic	13 18-B13-294098	1
Fagron	Bismuth gallath, basic	12C13-N03	4
Fagron	Bismuth gallath, basic	13/18-B13294098	1
Fagron	Bismuth gallath, basic	13/18-B-13-292057	1
Fagron	Bismuth gallath, basic	13/18-B13-292058	1
Fagron	Bismuth gallath, basic	13/18-B13-292058	3
Fagron	Bismuth gallath, basic	13/18-B13-294108	1
Fagron	Bismuth gallath, basic	13179111	4

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Supplier	Substance	Batch	Spectra
Fagron	Bismuth gallath, basic	1318-b13-292058	1
Fagron	Bismuth gallath, basic	1318b13292058	1
Fagron	Bismuth gallath, basic	14H13-B07-303639	2
Fagron	Bismuth gallath, basic	13G10-N12	2
Fagron	Bismuth gallath, basic	13K08-N03	1
Fagron	Bismuth gallath, basic	2010002685	2
Fagron	Bismuth gallath, basic	2012000059	5
Fagron	Bismuth gallath, basic	2012006724	2
Fagron	Bismuth gallath, basic	2015005560	1
Fagron	Bismuth gallath, basic	13K08-N03	1
Fagron	Bismuth gallath, basic	13i18-b13-294108	1
Fagron	Bismuth gallath, basic	13I18-B13-292058	1
Fagron	Bismuth gallath, basic	12K26-N01	1
Fagron	Bismuth gallath, basic	14H13-B07	1
Fagron	Bismuth gallath, basic	411092-3-P	1
Fagron	Bismuth gallath, basic	13E21-N03	2
Fagron	Bismuth gallath, basic	15J26-B02-321313	3
Fagron	Bismuth gallath, basic	15J26-B02-317883	1
Fagron	Bismuth gallath, basic	15J26-B02-317883	2
Fagron	Bismuth gallath, basic	15H05-B07	1
Fagron	Bismuth gallath, basic	15B02-B04-304413	2
Fagron	Bismuth gallath, basic	15/26-B02-320473	1
Fagron	Bismuth gallath, basic	2012006724	1
Fagron	Bismuth gallath, basic	13D19-N02	11
Fagron	Bismuth gallath, basic	12K26-N01	3
Fagron	Bismuth gallath, basic	12E16-N03	1
Fagron	Bismuth gallath, basic	12/13-N11	2
Fagron	Bismuth gallath, basic	11F15-N03	1
Fagron	Bismuth gallath, basic	10H31-N01	1
Fagron	Bogbean leaf, cut	2371B100616	1
Fagron	Boric acid	13I04-N06	2
Fagron	Boric acid	14B07-B02-295752	1
Fagron	Boric acid	11d13-n08	1
Fagron	Boric acid	12f01-n08	1
Fagron	Boric acid	14133101	1
Fagron	Budesonide, micronized	13A07-N09	2
Fagron	Budesonide, micronized	15E27-B10-315704	1
Fagron	Budesonide, micronized	12J29-N05	1
Fagron	Budesonide, micronized	21100M1B0011621	1
Fagron	Budesonide, micronized	12G23-N01	2
Fagron	Budesonide, micronized	2184	1
Fagron	Budesonide, micronized	15E27-B10-308321	1
Fagron	Budesonide, micronized	13H22-N03	3
Fagron	Budesonide, micronized	14A30-B09_291366	1
Fagron	Budesonide, micronized	14A30-B09-291366	2
Fagron	Budesonide, micronized	14H15-B02	3
Fagron	Budesonide, micronized	14H15-B02-297925	1
Fagron	Budesonide, micronized	14H15-B02-297926	1
Fagron	Budesonide, micronized	14H15-B02-301971	1
Fagron	Budesonide, micronized	15E27-B10-308322	1
Fagron	Budesonide, micronized	15E27_B10	1
Fagron	Budesonide, micronized	14H15-B02-301972	1
Fagron	Butylated hydroxytolu...	11308701	1
Fagron	Caffeine citrate	15A05-B03	2
Fagron	Caffeine citrate	2002311282	1
Fagron	Caffeine citrate	15A05-B03-302746	4
Fagron	Caffeine citrate	26021401	1
Fagron	Caffeine citrate	4213U01282	1
Fagron	Caffeine citrate	2813E1282	1
Fagron	Caffeine citrate	15A05-B03	1

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Supplier	Substance	Batch	Spectra
Fagron	Caffeine citrate	11/12-N13	1
Fagron	Caffeine citrate	13D30-N02	1
Fagron	Caffeine citrate	3914U-01282	1
Fagron	Caffeine citrate	15a05-b03-302746	1
Fagron	Caffeine citrate	3314E-01282	1
Fagron	Caffeine citrate	5013U01282	1
Fagron	Caffeine citrate	2714E-01282	1
Fagron	Caffeine citrate	11C29-N04	1
Fagron	Caffeine citrate	11082015A	1
Fagron	Caffeine citrate	15A05B03	1
Fagron	Caffeine citrate	13D30-No2	1
Fagron	Caffeine citrate	3513I-01282	1
Fagron	Caffeine citrate	13D30-N02	8
Fagron	Caffeine citrate	12C16-N03	2
Fagron	Caffeine citrate	15A05-B03-318006	5
Fagron	Caffeine citrate	15A05-B03-307135	1
Fagron	Caffeine citrate	11C29-N04	1
Fagron	Caffeine citrate	15a05-b03-318006	1
Fagron	Caffeine citrate	12J05-N06	1
Fagron	Caffeine citrate	10H02-N02	2
Fagron	Caffeine citrate	204311282	1
Fagron	Caffeine citrate	15A05-B03302747	1
Fagron	Caffeine citrate	CCD-1401	2
Fagron	Caffeine citrate	CCC1205	1
Fagron	Calcium citrate tetra...	13D16-N06	1
Fagron	Calcium citrate tetra...	13d16-n06	1
Fagron	Calcium citrate tetra...	413031/2	1
Fagron	Calcium gluconate	14D11-B04-292997	1
Fagron	Calcium gluconate	14D11-B04	1
Fagron	Calcium gluconate	12D17-N01	1
Fagron	Calcium gluconate	14D11-B04-294136	1
Fagron	Calcium gluconate	10G22-N12	1
Fagron	Calcium gluconate	12/13-N04	1
Fagron	Calcium glycerophosph...	13/17-N04	1
Fagron	Calcium glycerophosph...	13A18N02	2
Fagron	Calcium glycerophosph...	1317-N04	2
Fagron	Calcium glycerophosph...	5212M-01212	1
Fagron	Calcium glycerophosph...	1216000005	1
Fagron	Calcium glycerophosph...	12I18-N06	3
Fagron	Calcium glycerophosph...	11G19-N05	1
Fagron	Calcium glycerophosph...	3115A-01212	1
Fagron	Calcium glycerophosph...	15B03B03	1
Fagron	Calcium glycerophosph...	12/18-N06	2
Fagron	Calcium glycerophosph...	14B10-B02-291642	2
Fagron	Calcium glycerophosph...	14B10-B02-296841	3
Fagron	Calcium glycerophosph...	14B10-B02-296842	1
Fagron	Calcium glycerophosph...	1314000019	1
Fagron	Calcium glycerophosph...	14B10B02	1
Fagron	Calcium glycerophosph...	13A18-N02	4
Fagron	Calcium hydroxide	12J18-N01	1
Fagron	Calcium hydroxide	12G04-N22	1
Fagron	Calcium hydroxide	13D26-N14	1
Fagron	Calcium lactate penta...	12I12-N01	1
Fagron	Calcium lactate penta...	11126-N15	1
Fagron	Calcium lactate penta...	13L18-B04-295541	2
Fagron	Calcium lactate penta...	12/12-N06	1
Fagron	Calcium lactate penta...	12C15-N02	5
Fagron	Calcium lactate penta...	12I12-N06	2
Fagron	Calcium lactate penta...	13L18B04	1
Fagron	Calcium pantothenate	1111110405	1

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Supplier	Substance	Batch	Spectra
Fagron	Calcium pantothenate	14G02-B10-301624	1
Fagron	Calcium pantothenate	13H28_N11	1
Fagron	Calcium pantothenate	13H28-N11	1
Fagron	Calcium pantothenate	14G02-B10-297373	1
Fagron	Calcium pantothenate	14G02-B10	1
Fagron	Calcium pantothenate	12F19-N07	1
Fagron	Calcium pantothenate	13B22-N01	1
Fagron	Calcium pantothenate	12G05-N12	1
Fagron	Calcium pantothenate	11L20-N11	1
Fagron	Calendula flower, cut	1241B120312	3
Fagron	Calendula flower, cut	1104211448	1
Fagron	Camphor	12B14-N09	1
Fagron	Camphor	15097801	1
Fagron	Camphor	11K23-N04	1
Fagron	Camphor	11H30-N15	2
Fagron	Camphor	14G23-B04-301878	1
Fagron	Camphor	14G23-B04-299202	2
Fagron	Camphor	14G23-B04-296868	1
Fagron	Camphor	14G23-B04	2
Fagron	Camphor	13K28-B04-294937	1
Fagron	Camphor	13K28-B04	1
Fagron	Camphor	13h23-b40-294116	1
Fagron	Camphor	14G23-B04-301879	1
Fagron	Camphor	13H23-B40-291888	1
Fagron	Camphor	12G02-N09	3
Fagron	Camphor	12D23-N03	2
Fagron	Camphor	13K28_B04_294933	1
Fagron	Camphor	1309019-02	1
Fagron	Camphor	825653	1
Fagron	Camphor	690442	1
Fagron	Captopril	EC140101	1
Fagron	Captopril	14B26-B01-291555	2
Fagron	Captopril	14B26-B01-291556	1
Fagron	Captopril	14b26-B01-291555	1
Fagron	Captopril	80616-6	1
Fagron	Captopril	12K16-N04	1
Fagron	Captopril	14B26-B01_2911557	1
Fagron	Captopril	12K-16N04	1
Fagron	Captopril	14B26-B01-302338	1
Fagron	Captopril	14B26-B01-291557	6
Fagron	Captopril	14B26-B01-314460	1
Fagron	Captopril	14B26-B01-291555	3
Fagron	Captopril	12G25-N08	11
Fagron	Captopril	12J09-N09	1
Fagron	Captopril	14B26-W0129-1557	1
Fagron	Captopril	14B26B01	1
Fagron	Captopril	14B26-B40-320183	2
Fagron	Carmellose sodium (40...	13D22-N02	1
Fagron	Carmellose sodium (40...	15G03-Bo2-312862	1
Fagron	Cellulose, microcryst...	13A03-N01	1
Fagron	Cellulose, microcryst...	15C03-B06-305242	1
Fagron	Cellulose, microcryst...	2013M-01350	1
Fagron	Cellulose, microcryst...	9K10-N10	1
Fagron	Cetostearyl alcohol	11f30-n11	1
Fagron	Cetostearyl alcohol	11E17-N13	1
Fagron	Cetostearyl alcohol	13L17-B05-289805	1
Fagron	Cetostearyl alcohol	13F07-N05	2
Fagron	Cetostearyl alcohol	14G31-B03	1
Fagron	Cetostearyl alcohol	12E30-N13	1
Fagron	Cetostearyl alcohol	12g02-n04	1

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Supplier	Substance	Batch	Spectra
Fagron	Cetostearyl alcohol	12G02-N04	9
Fagron	Cetostearyl alcohol	12J17-N05	1
Fagron	Cetostearyl alcohol	11K17-N02	1
Fagron	Cetostearyl alcohol	12J17-N05	1
Fagron	Cetostearyl alcohol	13L17-B05	1
Fagron	Cetostearyl alcohol	13L17-B05-289806	1
Fagron	Cetostearyl alcohol	13C13-N13	1
Fagron	Cetostearyl alcohol	7886542	1
Fagron	Cetostearyl alcohol	12J29-N04	1
Fagron	Cetostearyl alcohol	10F17-N02	1
Fagron	Cetostearyl alcohol	12K22-N03	3
Fagron	Cetostearyl alcohol	13L17-B05-294999	1
Fagron	Cetostearyl alcohol	8256792	3
Fagron	Cetostearyl alcohol	15D24-B02-308261	1
Fagron	Cetostearyl alcohol	3414E-01078	1
Fagron	Cetostearyl alcohol	13L17-B05-289805	1
Fagron	Cetostearyl alcohol	9652865	1
Fagron	Cetostearyl alcohol	12L19-N03	2
Fagron	Cetostearyl alcohol	12C30-N01	2
Fagron	Cetostearyl alcohol	13L17-B05-289806	2
Fagron	Cetostearyl alcohol	14G31-B03-297611	1
Fagron	Cetyl alcohol	12A-02N12	1
Fagron	Cetyl palmitate 15	12D19-N02	1
Fagron	Cetyl palmitate 15	12C27-N07	2
Fagron	Cetyl palmitate 15	12D19-N02	1
Fagron	Chloral hydrate	12H06N08	2
Fagron	Chloral hydrate	13F06-N070631/786	1
Fagron	Chloral hydrate	12H06-N08	16
Fagron	Chloral hydrate	12H06-N080101/1612	1
Fagron	Chloral hydrate	14218719	3
Fagron	Chloral hydrate	12C26-M05	2
Fagron	Chloral hydrate	12C26-M04	2
Fagron	Chloral hydrate	12H06-N081114/1612	1
Fagron	Chloral hydrate	11J05-N01	1
Fagron	Chloral hydrate	12H06-N080160/161	1
Fagron	Chloral hydrate	11D13-N07	1
Fagron	Chloral hydrate	12C26-M08	1
Fagron	Chloral hydrate	12H06_N08	1
Fagron	Chloral hydrate	12H06-N080013/494	1
Fagron	Chloramphenicol	12L11-N06	10
Fagron	Chloramphenicol	12F01-N23	1
Fagron	Chloramphenicol	13A31-B02-290300	1
Fagron	Chloramphenicol	DY00912129	1
Fagron	Chloramphenicol	13A11N02	1
Fagron	Chloramphenicol	14E01-B02-308559	5
Fagron	Chloramphenicol	11/14-N03	2
Fagron	Chloramphenicol	12B13-N06	9
Fagron	Chloramphenicol	14E01-B02-296625	1
Fagron	Chloramphenicol	14E01-B02-306146	6
Fagron	Chloramphenicol	1202500003	1
Fagron	Chloramphenicol	Cealo/Phoenix	1
Fagron	Chloramphenicol	12A11-N02	1
Fagron	Chloramphenicol	14E01B02296624	2
Fagron	Chloramphenicol	11J14-N03	1
Fagron	Chloramphenicol	13A11-N02	14
Fagron	Chloramphenicol	1G02N01	1
Fagron	Chloramphenicol	13A31-B02	9
Fagron	Chloramphenicol	13A31-B02-290263	1
Fagron	Chloramphenicol	13A31-B02-286709	4
Fagron	Chloramphenicol	14E01-B02-296624	6

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Supplier	Substance	Batch	Spectra
Fagron	Chloramphenicol	DY00911233	5
Fagron	Chloramphenicol	14E01-B02	4
Fagron	Chloramphenicol	16/12,-B07326036	1
Fagron	Chloramphenicol	12G02-N01	15
Fagron	Chloramphenicol	14E01-B02-296623	2
Fagron	Chlorhexidine diacetate	A-130037	1
Fagron	Chlorhexidine diacetate	12E14-N11	1
Fagron	Chlorhexidine diacetate	13E03-B06-287926	2
Fagron	Chlorhexidine diacetate	11L28N02	1
Fagron	Chlorhexidine diacetate	1-8991-1-01-01	1
Fagron	Chlorhexidine dihydro...	14A09B03	1
Fagron	Chlorhexidine dihydro...	14A09-B03-293425	1
Fagron	Chlortetracycline hyd...	12h28-n09	1
Fagron	Chlortetracycline hyd...	14J08-B07-300250	5
Fagron	Chlortetracycline hyd...	12K30-N07	9
Fagron	Chlortetracycline hyd...	14J08-B07	4
Fagron	Chlortetracycline hyd...	13I11-N07	1
Fagron	Chlortetracycline hyd...	14J08-B07-307100	2
Fagron	Chlortetracycline hyd...	12k30-N07	1
Fagron	Chlortetracycline hyd...	FC11051038	1
Fagron	Chlortetracycline hyd...	12K30-N07	1
Fagron	Chlortetracycline hyd...	14J08-B07-303352	3
Fagron	Chlortetracycline hyd...	14J08-B07-307100	2
Fagron	Chlortetracycline hyd...	14J08B07300250	1
Fagron	Chlortetracycline hyd...	13/11-N07	3
Fagron	Chlortetracycline hyd...	FC13030134	1
Fagron	Chlortetracycline hyd...	12K30-N07	1
Fagron	Chlortetracycline hyd...	12H28N09	1
Fagron	Chlortetracycline hyd...	13K26-N06	3
Fagron	Chlortetracycline hyd...	27I21306	1
Fagron	Chlortetracycline hyd...	12H28-N09	7
Fagron	Chlortetracycline hyd...	12C16-N01	4
Fagron	Cholesterol	15G31-B05	2
Fagron	Cholesterol	15G31-B05-312377	1
Fagron	Cholesterol	15B09-B02-308259	2
Fagron	Cholesterol	31.05.2018	1
Fagron	Cholesterol	12D02-N10	1
Fagron	Cholesterol	14G04-B02-300830	1
Fagron	Cholesterol	12I13-N02	2
Fagron	Cholesterol	14B27-B05-293548	2
Fagron	Cholesterol	15G31-B05-312378	1
Fagron	Cholesterol	14G04-B02	1
Fagron	Cholesterol	2013U-01270	1
Fagron	Cholesterol	13G10-N11	3
Fagron	Cholesterol	11A17-N07	1
Fagron	Cholesterol	10B15-N07	1
Fagron	Cholesterol	10H24-N06	1
Fagron	Cholesterol	8J28-N10	1
Fagron	Cholesterol	15B09-B02	1
Fagron	Cholesterol	14B27-B05	1
Fagron	Cholesterol	13F10-B40-289016	2
Fagron	Cholesterol	13F10-B40	1
Fagron	Cholesterol	13C25-N12	2
Fagron	Ciclopirox olamine	14E21-M05	1
Fagron	Ciclopirox olamine	11H03-N02	1
Fagron	Ciclopirox olamine	12G12-N09	4
Fagron	Ciclopirox olamine	10L09-N03	1
Fagron	Ciclopirox olamine	13A16-N04	2
Fagron	Ciclopirox olamine	11h03-n02	1
Fagron	Ciclopirox olamine	G711016	1

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Supplier	Substance	Batch	Spectra
Fagron	Ciclosporin	25051302	1
Fagron	Ciclosporin	15F29B14316270	1
Fagron	Ciclosporin	14A15-N01	2
Fagron	Ciclosporin	13d026N07	1
Fagron	Ciclosporin	13B19N02	1
Fagron	Ciclosporin	14G22-B02-296891	4
Fagron	Ciclosporin	13B19-N02	2
Fagron	Ciclosporin	13414038	1
Fagron	Ciclosporin	13B19N02	1
Fagron	Ciclosporin	11K17-N13	1
Fagron	Ciclosporin	13A28-N04	7
Fagron	Ciclosporin	1103531	2
Fagron	Ciclosporin	15D23-B05	2
Fagron	Ciclosporin	13A28-N04	1
Fagron	Ciclosporin	13D26-N07	6
Fagron	Ciclosporin	13A28-N04	2
Fagron	Ciclosporin	16121401	1
Fagron	Ciclosporin	10J18-N06	1
Fagron	Ciclosporin	13H19_N09	1
Fagron	Ciclosporin	13B19-N02	1
Fagron	Ciclosporin	13H19-N09	2
Fagron	Ciclosporin	1110532	1
Fagron	Cinchocaine hydrochlo...	12F25-N10	1
Fagron	Cinnarizine	13I26-N22	1
Fagron	Cinnarizine	13I26-N22	1
Fagron	Cinnarizine	14D09-B01	3
Fagron	Cinnarizine	13H01-N07	4
Fagron	Cinnarizine	8D11-N04	1
Fagron	Cinnarizine	14D09-B01-292883	1
Fagron	Cinnarizine	14D09-B01-294702	2
Fagron	Ciprofloxacin hydroch...	14B25-B02-291783	1
Fagron	Ciprofloxacin hydroch...	14I15-B08	1
Fagron	Ciprofloxacin hydroch...	14I15-B08	1
Fagron	Ciprofloxacin hydroch...	13F13-N03	1
Fagron	Ciprofloxacin hydroch...	14B25-B02-291-783	1
Fagron	Ciprofloxacin hydroch...	14/15-B08-303363	1
Fagron	Citric acid monohydrate	11K01-N05	1
Fagron	Citric acid monohydrate	12D26-N02	1
Fagron	Citric acid, anhydrous	214U-01024	1
Fagron	Citric acid, anhydrous	20071203	1
Fagron	Citric acid, anhydrous	13A04-N040019/4900	1
Fagron	Citric acid, anhydrous	22031401	1
Fagron	Citric acid, anhydrous	14E06-B07-293890	2
Fagron	Citric acid, anhydrous	4810E-01024	1
Fagron	Citric acid, anhydrous	12A20-N03	1
Fagron	Citric acid, anhydrous	13K18-B34-291523	3
Fagron	Citric acid, anhydrous	13K18-B34-291522	4
Fagron	Citric acid, anhydrous	13K18-B34-293871	2
Fagron	Citric acid, anhydrous	12801-N01	1
Fagron	Citric acid, anhydrous	13L05-B02-309050	1
Fagron	Citric acid, anhydrous	13L05-B02-296246	2
Fagron	Citric acid, anhydrous	13G04-N05	6
Fagron	Citric acid, anhydrous	13G24-N24	10
Fagron	Citric acid, anhydrous	13L18-B39-289347	2
Fagron	Citric acid, anhydrous	13K18-B34-291520	7
Fagron	Citric acid, anhydrous	13G24-N240029/900	1
Fagron	Citric acid, anhydrous	1913A-01024	1
Fagron	Citric acid, anhydrous	13K18B34291520	1
Fagron	Citric acid, anhydrous	28021404	1
Fagron	Citric acid, anhydrous	13K18-B34-288371	4

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Supplier	Substance	Batch	Spectra
Fagron	Citric acid, anhydrous	13K18-B34-288372	8
Fagron	Citric acid, anhydrous	13k18-b34-291522	1
Fagron	Citric acid, anhydrous	11K11-N020444/1975	1
Fagron	Citric acid, anhydrous	13k18-B34-288372	1
Fagron	Citric acid, anhydrous	13K18-B34-288373	1
Fagron	Citric acid, anhydrous	13K18-B34_291522	1
Fagron	Citric acid, anhydrous	13K18-B34-291071	4
Fagron	Citric acid, anhydrous	probe	1
Fagron	Citric acid, anhydrous	1141664	1
Fagron	Citric acid, anhydrous	13G24-N240739/900	1
Fagron	Citric acid, anhydrous	13K18-B34-291521	4
Fagron	Citric acid, anhydrous	10G21-N05	1
Fagron	Citric acid, anhydrous	700309-0006	1
Fagron	Citric acid, anhydrous	13K18-B34-291519	5
Fagron	Citric acid, anhydrous	13H22-N09	2
Fagron	Citric acid, anhydrous	13K18-B34	8
Fagron	Citric acid, anhydrous	1137408	2
Fagron	Citric acid, anhydrous	700309-001	1
Fagron	Citric acid, anhydrous	11K07-N01	15
Fagron	Citric acid, anhydrous	1151608	3
Fagron	Citric acid, anhydrous	12B01-No1	1
Fagron	Citric acid, anhydrous	1172673	5
Fagron	Citric acid, anhydrous	11C24-N02	5
Fagron	Citric acid, anhydrous	11C24N022869/4250	1
Fagron	Citric acid, anhydrous	13A04-N04	1
Fagron	Citric acid, anhydrous	11H30-N05	2
Fagron	Citric acid, anhydrous	11C24-N02	1
Fagron	Citric acid, anhydrous	12B01-N01	1
Fagron	Citric acid, anhydrous	14G04-B09-293874	7
Fagron	Citric acid, anhydrous	14G04B09293876	1
Fagron	Citric acid, anhydrous	10G21-N05	2
Fagron	Citric acid, anhydrous	11B11-N16	2
Fagron	Citric acid, anhydrous	13A04-No4	1
Fagron	Citric acid, anhydrous	13A04N04	1
Fagron	Citric acid, anhydrous	1156158	2
Fagron	Citric acid, anhydrous	12B01-N01	31
Fagron	Citric acid, anhydrous	14k05-b04-302816	1
Fagron	Citric acid, anhydrous	14K05-B04-302817	1
Fagron	Citric acid, anhydrous	13804-N02	1
Fagron	Citric acid, anhydrous	14G04-B09-309707	1
Fagron	Citric acid, anhydrous	1601311024	1
Fagron	Citric acid, anhydrous	13A-04-N04	2
Fagron	Citric acid, anhydrous	11K07N01	1
Fagron	Citric acid, anhydrous	14K05-B04-302815	1
Fagron	Citric acid, anhydrous	14G04-B09-293877	4
Fagron	Citric acid, anhydrous	13F12-N08	2
Fagron	Citric acid, anhydrous	13L05B02296247	1
Fagron	Citric acid, anhydrous	13D29N02	1
Fagron	Citric acid, anhydrous	13F12-N01	3
Fagron	Citric acid, anhydrous	12B01-N01	1
Fagron	Citric acid, anhydrous	14E06-B07-29389	1
Fagron	Citric acid, anhydrous	13B04-N01	1
Fagron	Citric acid, anhydrous	1714Q1024	1
Fagron	Citric acid, anhydrous	1155609	19
Fagron	Citric acid, anhydrous	14E06-B07-293875	2
Fagron	Citric acid, anhydrous	14K05-B04-302816	2
Fagron	Clindamycin hydrochlo...	13J03-B02_288654	1
Fagron	Clindamycin hydrochlo...	15L22-B03-318787	1
Fagron	Clindamycin hydrochlo...	15E06-B12-313089	1
Fagron	Clindamycin hydrochlo...	13J03B02288654	1

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Supplier	Substance	Batch	Spectra
Fagron	Clindamycin hydrochlo...	13J03-B02-288654	4
Fagron	Clindamycin hydrochlo...	13J03-B02-288655	1
Fagron	Clindamycin hydrochlo...	14K04-B05-304995	1
Fagron	Clindamycin hydrochlo...	16D05-B08-320327	1
Fagron	Clindamycin hydrochlo...	13A22-N01	7
Fagron	Clindamycin hydrochlo...	P003WS13091401	1
Fagron	Clindamycin hydrochlo...	7BS64T1J0023	1
Fagron	Clindamycin hydrochlo...	13J03-B02-288653	1
Fagron	Clindamycin hydrochlo...	2714Q-03534	1
Fagron	Clindamycin hydrochlo...	13j03-B02-288653	1
Fagron	Clindamycin hydrochlo...	13J03-B02	1
Fagron	Clindamycin hydrochlo...	12F19-N07	3
Fagron	Clindamycin hydrochlo...	P003-WS10100301	1
Fagron	Clindamycin hydrochlo...	15E06-B12-311886	2
Fagron	Clindamycin hydrochlo...	13G24N09	1
Fagron	Clindamycin hydrochlo...	13G24-N09	11
Fagron	Clindamycin hydrochlo...	12C19N06	1
Fagron	Clindamycin hydrochlo...	13C15-N06	1
Fagron	Clindamycin hydrochlo...	12C19-N06	1
Fagron	Clioquinol	12D02-N11	1
Fagron	Clioquinol	13A29-N07-3398310111	1
Fagron	Clioquinol	1326-N15	1
Fagron	Clioquinol	12L04-N08	12
Fagron	Clioquinol	11K21-N18	4
Fagron	Clioquinol	14C21-B06-293132	1
Fagron	Clioquinol	14/11-B03-300049	3
Fagron	Clioquinol	11K21N18	1
Fagron	Clioquinol	13I26-N15	6
Fagron	Clioquinol	14 11-B03-300049	1
Fagron	Clioquinol	1205110014	1
Fagron	Clioquinol	14C21-B06-297159	2
Fagron	Clioquinol	13I26N15	1
Fagron	Clioquinol	1411-B03-300049	1
Fagron	Clioquinol	12F20-N05	5
Fagron	Clioquinol	14I11-B03-3000049	1
Fagron	Clioquinol	2014Q2562	1
Fagron	Clioquinol	15L30-B05-319616	1
Fagron	Clioquinol	14C21806293104	1
Fagron	Clioquinol	28031401	1
Fagron	Clioquinol	1005090024	1
Fagron	Clioquinol	14C21-B06-293104	3
Fagron	Clioquinol	7D20-N03	1
Fagron	Clioquinol	14c21B06293104	1
Fagron	Clioquinol	11G20-N09	4
Fagron	Clioquinol	10341601	4
Fagron	Clioquinol	13F12-N200463480	1
Fagron	Clioquinol	2514U2562	1
Fagron	Clioquinol	13/26-N15	2
Fagron	Clioquinol	14-C21-B06-293132	1
Fagron	Clioquinol	13DS15-N01	1
Fagron	Clobetasol propionate	16E04-B12-322020	1
Fagron	Clobetasol propionate	12A02-N04	1
Fagron	Clobetasol propionate	12e08-n04	1
Fagron	Clobetasol propionate	11L12-N05	4
Fagron	Clobetasol propionate	11h10-n02	2
Fagron	Clobetasol propionate	NT0421M	5
Fagron	Clobetasol propionate	14G30-B07-302114	6
Fagron	Clobetasol propionate	14G30-B07-302112	1
Fagron	Clobetasol propionate	14C03-B07-305987	1
Fagron	Clobetasol propionate	13K08-B30-287729	2

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Supplier	Substance	Batch	Spectra
Fagron	Clobetasol propionate	14C03-B07-293563	1
Fagron	Clobetasol propionate	13A-N04	2
Fagron	Clobetasol propionate	14G30-B07-302115	2
Fagron	Clobetasol propionate	13K08-B30	2
Fagron	Clobetasol propionate	NS0292-M	1
Fagron	Clobetasol propionate	13K08-B30-287726	2
Fagron	Clobetasol propionate	3713M-02835	1
Fagron	Clobetasol propionate	13K08-B30-287727	2
Fagron	Clobetasol propionate	13k08b30287728	1
Fagron	Clobetasol propionate	NS0486M	2
Fagron	Clobetasol propionate	13K08-B30-287730	2
Fagron	Clobetasol propionate	14C03-B07	7
Fagron	Clobetasol propionate	11-05-N06	1
Fagron	Clobetasol propionate	11D26-N04	1
Fagron	Clobetasol propionate	12/25-N01	1
Fagron	Clobetasol propionate	12e08n04	1
Fagron	Clobetasol propionate	14C03-B07-293561	2
Fagron	Clobetasol propionate	13G23-N01	1
Fagron	Clobetasol propionate	14C03-B07-293562	7
Fagron	Clobetasol propionate	13G23N01	1
Fagron	Clobetasol propionate	13G23-N01NT0421M	1
Fagron	Clobetasol propionate	13Ao2-N04	1
Fagron	Clobetasol propionate	12E08-n04	1
Fagron	Clobetasol propionate	13G23-N01	22
Fagron	Clobetasol propionate	15C23-B02-310473	7
Fagron	Clobetasol propionate	13K08B30287730	1
Fagron	Clobetasol propionate	1211021-03	29
Fagron	Clobetasol propionate	15c23-b02-310473	1
Fagron	Clobetasol propionate	11129-N07	1
Fagron	Clobetasol propionate	12J25-N01	6
Fagron	Clobetasol propionate	15C23-B02-310522	1
Fagron	Clobetasol propionate	15G01-B02-311578	1
Fagron	Clobetasol propionate	15J15-B04-317698	2
Fagron	Clobetasol propionate	12E08N04	2
Fagron	Clobetasol propionate	16E04-B12-321036	1
Fagron	Clobetasol propionate	15/15-B04-317698	1
Fagron	Clobetasol propionate	15A14-B02-303125	3
Fagron	Clobetasol propionate	13A02-N04	17
Fagron	Clobetasol propionate	14G30-B07-302116	4
Fagron	Clobetasol propionate	1314705	1
Fagron	Clobetasol propionate	15a14-b02-303125	1
Fagron	Clobetasol propionate	14G30-B07-303114	1
Fagron	Clobetasol-17-propion...	12I19-N01	1
Fagron	Clobetasol-17-propion...	12K08-N02	2
Fagron	Clobetasol-17-propion...	12/19-No1	1
Fagron	Clobetasol-17-propion...	12/19-N01003637	1
Fagron	Clobetasol-17-propion...	12119-N01	1
Fagron	Clobetasol-17-propion...	12L19-N06	1
Fagron	Clobetasol-17-propion...	12A03-N03	2
Fagron	Clonidine hydrochloride	14H11-B04-298642	1
Fagron	Clotrimazole	12 21-N01	2
Fagron	Clotrimazole	12/21-N01	6
Fagron	Clotrimazole	11A05-N14	1
Fagron	Clotrimazole	1221N04	1
Fagron	Clotrimazole	11k21-n19	1
Fagron	Clotrimazole	11G15-N10	1
Fagron	Clotrimazole	11E17-N10	3
Fagron	Clotrimazole	11D01-N06	1
Fagron	Clotrimazole	1221n04	1
Fagron	Clotrimazole	11L12-N10	4

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Supplier	Substance	Batch	Spectra
Fagron	Clotrimazole	15G14-B06-311054	1
Fagron	Clotrimazole	15G14B06311054	1
Fagron	Clotrimazole	15G14-B06-311055	1
Fagron	Clotrimazole	16B09-B06	1
Fagron	Clotrimazole	16B09-B06-311507	2
Fagron	Clotrimazole	12I21-N04	9
Fagron	Clotrimazole	15g14-b06-311054	1
Fagron	Clotrimazole	15C14-B05-311100	1
Fagron	Clotrimazole	15G14-B05	2
Fagron	Clotrimazole	15G14-B05-311100	1
Fagron	Clotrimazole	12K15-N01	1
Fagron	Clotrimazole	12I21N04	1
Fagron	Clotrimazole	15G14-B05-311103	6
Fagron	Clotrimazole	15G14-B06	1
Fagron	Clotrimazole	14B05-B35-293544	5
Fagron	Clotrimazole	12E02-N12	11
Fagron	Clotrimazole	12a05-n10	1
Fagron	Clotrimazole	CLT/1307/0065A	2
Fagron	Clotrimazole	12A05-N10	7
Fagron	Clotrimazole	9041304	1
Fagron	Clotrimazole	14223201	1
Fagron	Clotrimazole	12e02-N12	1
Fagron	Clotrimazole	14B05-B35-293542	3
Fagron	Clotrimazole	14B05-B35	3
Fagron	Clotrimazole	C22H17CIN2	1
Fagron	Clotrimazole	12I16-N04	1
Fagron	Clotrimazole	12F02-N12	1
Fagron	Clotrimazole	4812E-01276 (NP)	1
Fagron	Clotrimazole	12E30-N07	14
Fagron	Clotrimazole	14C04B32291657	1
Fagron	Clotrimazole	14B05-B36-291167	6
Fagron	Clotrimazole	14B05-B36-291168	2
Fagron	Clotrimazole	12b27-n05	1
Fagron	Clotrimazole	12E02N12	1
Fagron	Clotrimazole	14B06-B06	1
Fagron	Clotrimazole	14B06-B06-299942	1
Fagron	Clotrimazole	14B05-B36-291166	2
Fagron	Clotrimazole	14B05-B35-294935	2
Fagron	Clotrimazole	14B05B35294935	1
Fagron	Clotrimazole	14B05-B35-299941	2
Fagron	Clotrimazole	14B05-B36	9
Fagron	Clotrimazole	14B05-B36-291165	3
Fagron	Clotrimazole	14b05b36291166	1
Fagron	Clotrimazole	14b05-b36-291166	1
Fagron	Clotrimazole	14B06-B06-299943	4
Fagron	Clotrimazole	14C04-B31-294940	1
Fagron	Clotrimazole	14C04-B31-299954	6
Fagron	Clotrimazole	14C04-B31-299960	4
Fagron	Clotrimazole	20111018	7
Fagron	Clotrimazole	20110113	1
Fagron	Clotrimazole	13C25-N10	11
Fagron	Clotrimazole	20120603	4
Fagron	Clotrimazole	14C04-B30	2
Fagron	Clotrimazole	14C04-B30-291656	8
Fagron	Clotrimazole	14C04-B31	5
Fagron	Clotrimazole	20151112-3	1
Fagron	Clotrimazole	14C04B31	1
Fagron	Clotrimazole	14C04-B31-291660	3
Fagron	Clotrimazole	14C04-B31-294939	7
Fagron	Clotrimazole	14B05-B35-294932	1

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Supplier	Substance	Batch	Spectra
Fagron	Clotrimazole	11101209	1
Fagron	Cocaine hydrochloride	12G23-N13	1
Fagron	Codeine phosphate hem...	913I-01279	1
Fagron	Codeine phosphate hem...	15F09-B02-310520	2
Fagron	Codeine phosphate hem...	13E21-N04	1
Fagron	Codeine phosphate hem...	11L20-N04	1
Fagron	Codeine phosphate hem...	11/19-N10	1
Fagron	Codeine phosphate hem...	12C05-N01	1
Fagron	Codeine phosphate hem...	1615I-01279	1
Fagron	Codeine phosphate hem...	13I27-N06	2
Fagron	Codeine phosphate hem...	13C11-N10	1
Fagron	Codeine phosphate hem...	13/27-N06	2
Fagron	Codeine phosphate hem...	15B17-B99-304623	1
Fagron	Colistin sulfate	15E15-B01-315340	1
Fagron	Copper (II) sulfate p...	13A25-N06	2
Fagron	Cyanocobalamin	10K02-N05	1
Fagron	Cyanocobalamin	10K02-N05	4
Fagron	Cyanocobalamin	13I24-B01-292062	1
Fagron	Cyproterone acetate	13I09-N03	1
Fagron	Cyproterone acetate	13/16-N04	2
Fagron	Cyproterone acetate	12F25-N09	2
Fagron	Cyproterone acetate	8B11-N06	1
Fagron	Cyproterone acetate	12L19-N05	2
Fagron	Cyproterone acetate	11L22-N02	1
Fagron	Cyproterone acetate	APCPA130201C	1
Fagron	Cyproterone acetate	13J16-N04	4
Fagron	Cyproterone acetate	13j16n04	1
Fagron	Cyproterone acetate	13/09-N03	1
Fagron	Cyproterone acetate	12D02-N13	1
Fagron	Cystine	12D26-B04-285823	2
Fagron	Deoxycholic acid	13J21-N14	1
Fagron	Deoxycholic acid	12L14-N07	1
Fagron	Dequalinium chloride	12G05-N07	2
Fagron	Dequalinium chloride	14C10-B03-292286	2
Fagron	Dequalinium chloride	12B14-N05	1
Fagron	Dequalinium chloride	13I26-N10	1
Fagron	Dequalinium chloride	12B14-N01	1
Fagron	Dequalinium chloride	10H05-N07	1
Fagron	Dequalinium chloride	13A23-N02	3
Fagron	Dequalinium chloride	13D26-N06	3
Fagron	Dequalinium chloride	12D05-N09	1
Fagron	Dequalinium chloride	15B16-B04-304432	1
Fagron	Dequalinium chloride	9245-90.71	1
Fagron	Dexamethasone	14A22-B03	1
Fagron	Dexamethasone	13D12-N19	1
Fagron	Dexamethasone	14A22-B03-294030	1
Fagron	Dexamethasone	15I04-B04-315528	1
Fagron	Dexamethasone	15A05-B01-034636	1
Fagron	Dexamethasone	15A05-B01-304636	1
Fagron	Dexamethasone	15C16-B07	1
Fagron	Dexamethasone	15A05-B01	1
Fagron	Dexamethasone	15C16-B07-308252	1
Fagron	Dexamethasone	14D11-B01-294032	1
Fagron	Dexamethasone	15a05-b01-304636	1
Fagron	Dexamethasone	11F30-N02	1
Fagron	Dexamethasone	7H21_N03	1
Fagron	Dexamethasone	12H21-N11	3
Fagron	Dexamethasone	1203032-02	6
Fagron	Dexamethasone	9383631	1
Fagron	Dexamethasone	2314A-01327	1

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Supplier	Substance	Batch	Spectra
Fagron	Dexamethasone	11L08-N01	4
Fagron	Dexamethasone	DZ11005K12B06-N12	1
Fagron	Dexamethasone	13084308	4
Fagron	Dexamethasone	12B06-N12	5
Fagron	Dexamethasone 1:10 (r...	12L19-N06	1
Fagron	Dexamethasone 1:10 (r...	12K06-N09	1
Fagron	Dexamethasone 1:10 (r...	12C20-N03	4
Fagron	Dexamethasone acetate	1110007-01	4
Fagron	Dexamphetamine sulfate	12J15-N07	1
Fagron	Dexamphetamine sulfate	13I23-N01	1
Fagron	Dexamphetamine sulfate	11F29-N01	1
Fagron	D-galactose	12B09-N02	1
Fagron	D-galactose	10E06-N01	1
Fagron	D-galactose	11L19-N07	1
Fagron	Diclofenac sodium	15K23-B03-324025	1
Fagron	Diclofenac sodium	15D14-B04	1
Fagron	Diclofenac sodium	12L28-B05-289773	2
Fagron	Diclofenac sodium	5041401	1
Fagron	Diclofenac sodium	12G02-N07	1
Fagron	Diclofenac sodium	RDS/1405/0159A	1
Fagron	Diclofenac sodium	15K23-B03	2
Fagron	Diclofenac sodium	10031505	1
Fagron	Diclofenac sodium	13E03-N02	1
Fagron	Diclofenac sodium	14031411	1
Fagron	Diclofenac sodium	14G17-B08-297032	5
Fagron	Dihydrocodeine hydrog...	14K26-B04-310974	1
Fagron	Dihydrocodeine hydrog...	12G05-N01	1
Fagron	Dihydrocodeine hydrog...	13H19-N08	2
Fagron	Diltiazem hydrochloride	16C14-B11-322642	1
Fagron	Diltiazem hydrochloride	1359680007	1
Fagron	Diltiazem hydrochloride	16C14-B11-320849	1
Fagron	Diltiazem hydrochloride	12I12-N02	1
Fagron	Diltiazem hydrochloride	DIL/M-01314	1
Fagron	Diltiazem hydrochloride	DIL/M-10515	1
Fagron	Diltiazem hydrochloride	13A02N05	3
Fagron	Diltiazem hydrochloride	13a02-n05	1
Fagron	Diltiazem hydrochloride	11-01-N08	1
Fagron	Diltiazem hydrochloride	13J24-B04-286571	2
Fagron	Diltiazem hydrochloride	DIL/M-0314	1
Fagron	Diltiazem hydrochloride	15B12-B01-305401	1
Fagron	Diltiazem hydrochloride	13A02-N05	9
Fagron	Diltiazem hydrochloride	12/12-N02	8
Fagron	Diltiazem hydrochloride	13346915	10
Fagron	Diltiazem hydrochloride	11E18-N04	2
Fagron	Diltiazem hydrochloride	DIL/M-13114	1
Fagron	Diltiazem hydrochloride	16A18-B07-316667	3
Fagron	Diltiazem hydrochloride	11I01-N08	2
Fagron	Diltiazem hydrochloride	11J28-N05	3
Fagron	Diltiazem hydrochloride	13G16-N05	25
Fagron	Diltiazem hydrochloride	612213562	1
Fagron	Diltiazem hydrochloride	11I012-N08	1
Fagron	Diltiazem hydrochloride	135968-0009	2
Fagron	Diltiazem hydrochloride	12K07-N02	2
Fagron	Diltiazem hydrochloride	12I12-N02	4
Fagron	Diltiazem hydrochloride	13J24B04286569	3
Fagron	Diltiazem hydrochloride	12F19-N100102/574	1
Fagron	Diltiazem hydrochloride	15G20-B08	1
Fagron	Diltiazem hydrochloride	13J24-B04	4
Fagron	Diltiazem hydrochloride	16A18-B07-318732	5
Fagron	Diltiazem hydrochloride	12D05-n07	1

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Supplier	Substance	Batch	Spectra
Fagron	Diltiazem hydrochloride	12d05-n07	2
Fagron	Diltiazem hydrochloride	12D05-N070	1
Fagron	Diltiazem hydrochloride	14C12-B04-294133	4
Fagron	Diltiazem hydrochloride	14C12-B04-294134	2
Fagron	Diltiazem hydrochloride	14C12-B04	8
Fagron	Diltiazem hydrochloride	15B12-B01-305400	2
Fagron	Diltiazem hydrochloride	14G22-B08299781	2
Fagron	Diltiazem hydrochloride	16A18B07316667	1
Fagron	Diltiazem hydrochloride	12/12-N02	1
Fagron	Diltiazem hydrochloride	15B12B01305399	1
Fagron	Diltiazem hydrochloride	14c12-b04-294134	1
Fagron	Diltiazem hydrochloride	9J14-N17	2
Fagron	Diltiazem hydrochloride	16A18-B07	2
Fagron	Diltiazem hydrochloride	12D05-N07	18
Fagron	Diltiazem hydrochloride	14C12-B04-292757	16
Fagron	Diltiazem hydrochloride	14G22-B08-299781	6
Fagron	Diltiazem hydrochloride	14C12B04	1
Fagron	Diltiazem hydrochloride	12F19-N10	8
Fagron	Diltiazem hydrochloride	14C12-B04-292759	4
Fagron	Diltiazem hydrochloride	14c12-b04-292759	1
Fagron	Diltiazem hydrochloride	14G22B08	1
Fagron	Diltiazem hydrochloride	14G22-B08-299782	3
Fagron	Diltiazem hydrochloride	15b12-b01-305399	1
Fagron	Diltiazem hydrochloride	13G16-N005	1
Fagron	Diltiazem hydrochloride	15B12-B01-305399	5
Fagron	Diltiazem hydrochloride	14G22-B08	4
Fagron	Diltiazem hydrochloride	15B12-B01-305299	1
Fagron	Diltiazem hydrochloride	13J24-B04-286570	1
Fagron	Diltiazem hydrochloride	10808-N01	1
Fagron	Diltiazem hydrochloride	10D28-N23	1
Fagron	Diltiazem hydrochloride	15B12-B01	5
Fagron	Diltiazem hydrochloride	15b12-b01-305400	2
Fagron	Diltiazem hydrochloride	15B12B01305400	1
Fagron	Diltiazem hydrochloride	3713M-03562	1
Fagron	Diltiazem hydrochloride	13F13-N05	12
Fagron	Diltiazem hydrochloride	15G20-B08-314375	5
Fagron	Diltiazem hydrochloride	15G20-B08-310792	1
Fagron	Diltiazem hydrochloride	14G22-B08-299783	1
Fagron	Diltiazem hydrochloride	11/01-N08	3
Fagron	Diphenhydramine hydro...	13A14-B40	1
Fagron	Dithranole	APDT/375/2012D	15
Fagron	Dithranole	17710I-01274	1
Fagron	Dithranole	13A30-N01	4
Fagron	Dithranole	Ch13A30-N01	1
Fagron	Doxycycline hyclate	12G12-N15	1
Fagron	Doxylamine hydrogen s...	13/26-N14	1
Fagron	Doxylamine hydrogen s...	12G10-N03	6
Fagron	Doxylamine hydrogen s...	14F03-B01-296846	1
Fagron	Doxylamine hydrogen s...	12E29-N03	1
Fagron	Doxylamine hydrogen s...	14F03B01293498	1
Fagron	Doxylamine hydrogen s...	12K21-N01	3
Fagron	Doxylamine hydrogen s...	11K17-N04	3
Fagron	Doxylamine hydrogen s...	11G20-N10	1
Fagron	Doxylamine hydrogen s...	12E04-N04	4
Fagron	Doxylamine hydrogen s...	13E29-N03	4
Fagron	Doxylamine hydrogen s...	483875887	1
Fagron	Drofenine hydrochloride	12D04-N03	1
Fagron	Drofenine hydrochloride	11J24-N01	1
Fagron	Econazole nitrate	12I06-B40-289953	2
Fagron	Econazole nitrate	13D22-N06	1

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Supplier	Substance	Batch	Spectra
Fagron	Emulsifying cetostear...	13L17-B05-294999	1
Fagron	Emulsifying cetostear...	13L17-B05-294999	2
Fagron	Emulsifying cetostear...	13I06-N04	2
Fagron	Emulsifying cetostear...	13L17-B05	1
Fagron	Emulsifying cetostear...	14G31-B03	1
Fagron	Emulsifying cetostear...	13L17B05289805	1
Fagron	Emulsifying cetostear...	13L17-B05-289806	3
Fagron	Emulsifying cetostear...	14G31-B03-297610	5
Fagron	Emulsifying cetostear...	11L22-N09	1
Fagron	Emulsifying cetostear...	11499002	1
Fagron	Emulsifying cetostear...	16B23-B07-320384	2
Fagron	Emulsifying cetostear...	16B23-B07-318218	1
Fagron	Emulsifying cetostear...	15D24-B02-311993	3
Fagron	Emulsifying cetostear...	12602-N04	1
Fagron	Emulsifying cetostear...	12G02N04	1
Fagron	Emulsifying cetostear...	15D24-B02-308261	1
Fagron	Emulsifying cetostear...	15D24-B02-308261	1
Fagron	Emulsifying cetostear...	20260712-2	1
Fagron	Emulsifying cetostear...	15D24-B02	1
Fagron	Emulsifying cetostear...	8256792	2
Fagron	Emulsifying cetostear...	2215I-01078	1
Fagron	Emulsifying cetostear...	12L19-N03	9
Fagron	Emulsifying cetostear...	13F07-N05	12
Fagron	Emulsifying cetostear...	13L17-B05	1
Fagron	Emulsifying cetostear...	13L17-B05-289805	6
Fagron	Emulsifying cetostear...	13L17-B05-289805	1
Fagron	Emulsifying cetostear...	15C31-B99-307062	4
Fagron	Emulsifying cetostear...	14175700	1
Fagron	Emulsifying cetostear...	9652865	2
Fagron	Emulsifying cetostear...	12G02-N04	7
Fagron	Emulsifying cetostear...	14G31-B03-305612	2
Fagron	Emulsifying cetostear...	15C31-B00-307062	1
Fagron	Emulsifying cetostear...	3013M-01078	1
Fagron	Eosin yellowish	11F21-N10	1
Fagron	Eosin yellowish	13/11-N03	1
Fagron	Eosin yellowish	EYWS/16/11	2
Fagron	Eosin yellowish	2512A-01357	1
Fagron	Eosin yellowish	12H28-N08	3
Fagron	Eosin yellowish	EYWS/15/13	1
Fagron	Eosin yellowish	12A02-N09	1
Fagron	Eosin yellowish	15G01T03025959	1
Fagron	Eosin yellowish	13/11-N03	3
Fagron	Eosin yellowish	11E25-N01	1
Fagron	Ephedrine hydrochloride	13B19-N04	1
Fagron	Ephedrine hydrochloride	13L30-B36	1
Fagron	Ephedrine hydrochloride	12017220	1
Fagron	Epinephrine hydrogen ...	15A13-B02-305559	2
Fagron	Epinephrine hydrogen ...	12/02-N03	1
Fagron	Epinephrine hydrogen ...	16E09-B11-319882	2
Fagron	Epinephrine hydrogen ...	12G11-No70076/130	1
Fagron	Epinephrine hydrogen ...	13I04-N03	1
Fagron	Epinephrine hydrogen ...	13I04-N03	1
Fagron	Epinephrine hydrogen ...	12G11-N07	1
Fagron	Epinephrine hydrogen ...	14E12-B02	1
Fagron	Epinephrine hydrogen ...	11L22-N04	1
Fagron	Erythromycin	3000-50	1
Fagron	Erythromycin	16G06-B03-324464	1
Fagron	Erythromycin	16G06-B03-324463	1
Fagron	Erythromycin	510211362	1
Fagron	Erythromycin	11/06-N05	2

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Supplier	Substance	Batch	Spectra
Fagron	Erythromycin	11J06-No5	1
Fagron	Erythromycin	16G06-B03-324466	1
Fagron	Erythromycin	EB022E14	3
Fagron	Erythromycin	11J06-N05	7
Fagron	Erythromycin	EB068/14	1
Fagron	Erythromycin	EB032J13	4
Fagron	Erythromycin	EB06814	1
Fagron	Erythromycin	12J30-N01	13
Fagron	Erythromycin	12J30N01	1
Fagron	Erythromycin	14F13-B12-300061	1
Fagron	Erythromycin	12J30-N01	1
Fagron	Erythromycin	E-030613-1	1
Fagron	Erythromycin	E-250213-2	1
Fagron	Erythromycin	14F13-B02-293488	1
Fagron	Erythromycin	14F13-B02-293490	2
Fagron	Erythromycin	14B06-B35-293508	3
Fagron	Erythromycin	14F13-B02-293511	3
Fagron	Erythromycin	12E24-No4	1
Fagron	Erythromycin	14I30-B01-303884	5
Fagron	Erythromycin	14I30-B01-300062	2
Fagron	Erythromycin	14i30b01-300059	1
Fagron	Erythromycin	14I30-B01-300050	2
Fagron	Erythromycin	12152209	1
Fagron	Erythromycin	13D30N01	1
Fagron	Erythromycin	14I30-B01-3000060	1
Fagron	Erythromycin	14I30B01	1
Fagron	Erythromycin	14I30-B01	4
Fagron	Erythromycin	12e24-n04	2
Fagron	Erythromycin	12E24-N04	25
Fagron	Erythromycin	11D13-N09	4
Fagron	Erythromycin	13D30-N010336/730	1
Fagron	Erythromycin	14F13-B02-300061	3
Fagron	Erythromycin	13d30-n01	1
Fagron	Erythromycin	14B06-B35	12
Fagron	Erythromycin	13d30-N01	1
Fagron	Erythromycin	14B06-B35-290866	4
Fagron	Erythromycin	14B06-B35-290872	5
Fagron	Erythromycin	14B06-B35-290874	3
Fagron	Erythromycin	14B06-B35-290873	4
Fagron	Erythromycin	14B06-B35290873	1
Fagron	Erythromycin	13D30-N01003/456	1
Fagron	Erythromycin	13H22-N070126/246	1
Fagron	Erythromycin	1430-b01-300060	1
Fagron	Erythromycin	13D30-N010278/730	1
Fagron	Erythromycin	EB048G12	1
Fagron	Erythromycin	13A02-N06	12
Fagron	Erythromycin	14B06-B35-290875	8
Fagron	Erythromycin	1430B01303884	1
Fagron	Erythromycin	13A02N06	1
Fagron	Erythromycin	13A02-N060571/680	1
Fagron	Erythromycin	EB078B13	1
Fagron	Erythromycin	EBS/1201-008	2
Fagron	Erythromycin	14i30-b01-303884	1
Fagron	Erythromycin	14/30B0130050	1
Fagron	Erythromycin	4212E-01362	1
Fagron	Erythromycin	14F13-B02-293487	1
Fagron	Erythromycin	1430-B01-303884	1
Fagron	Erythromycin	14/30-B01-303884	1
Fagron	Erythromycin	14F13-B02	1
Fagron	Erythromycin	14/30-B01-308789	1

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Supplier	Substance	Batch	Spectra
Fagron	Erythromycin	13H22-N07	1
Fagron	Erythromycin	14 30-B01-311166	1
Fagron	Erythromycin	13H22-N070228/246	1
Fagron	Erythromycin	14/30-B01-300060	1
Fagron	Erythromycin	13F12-N21	29
Fagron	Erythromycin	14Bo6-B35	1
Fagron	Erythromycin	14I30-B01-306927	1
Fagron	Erythromycin	14I30-B01-308188	3
Fagron	Erythromycin	14I30-B01-308189	1
Fagron	Erythromycin	14I30B01308189	1
Fagron	Erythromycin	14I30-B01-311166	2
Fagron	Erythromycin	14b06-b35-293509	1
Fagron	Erythromycin	14B06-B35-293509	4
Fagron	Erythromycin	14i30-b01-311166	1
Fagron	Estradiol benzoate	81403690	1
Fagron	Estradiol benzoate	12H02-N052	1
Fagron	Estradiol benzoate	13I11N01	1
Fagron	Estradiol benzoate	84303830	1
Fagron	Estradiol benzoate	81403680	1
Fagron	Estradiol benzoate	12H02-N02	5
Fagron	Estradiol benzoate	2x12L14-N02	1
Fagron	Estradiol benzoate	83101340	2
Fagron	Estradiol benzoate	12h02-n02	2
Fagron	Estradiol benzoate	15E08-B08-311705	2
Fagron	Estradiol benzoate	13C15-B07-288645	1
Fagron	Estradiol benzoate	14B20-B02	3
Fagron	Estradiol benzoate	14B20-B02-2920001	1
Fagron	Estradiol benzoate	14B20-B02-292001	4
Fagron	Estradiol benzoate	14B20-B02-294949	6
Fagron	Estradiol benzoate	14b20-b02-294949	1
Fagron	Estradiol benzoate	13/11-N01	2
Fagron	Estradiol benzoate	15c10-b04-305523	1
Fagron	Estradiol benzoate	13I11-N01	1
Fagron	Estradiol benzoate	13C15-B07-288646	1
Fagron	Estradiol benzoate	12L14-N02	1
Fagron	Estradiol benzoate	15C10-B04-305523	4
Fagron	Estradiol benzoate	81403700	2
Fagron	Estradiol hemihydrate	12268011	2
Fagron	Estradiol hemihydrate	13E07-N02	3
Fagron	Estradiol hemihydrate	14G24-B04-297406	1
Fagron	Estradiol hemihydrate	302446	1
Fagron	Estradiol hemihydrate	14G24-B04-302446	1
Fagron	Estradiol hemihydrate	12F29-N03	6
Fagron	Estradiol hemihydrate	15D01-B02-308190	1
Fagron	Estradiol hemihydrate	15D01-B02-319032	1
Fagron	Estradiol hemihydrate	12L29-N07	1
Fagron	Estradiol hemihydrate	12F29-N03	1
Fagron	Estradiol hemihydrate	14G24-B04-297405	1
Fagron	Estradiol hemihydrate	9J27-N05	1
Fagron	Estradiol hemihydrate	13K22-N01	8
Fagron	Estradiol hemihydrate	11031401	1
Fagron	Estradiol hemihydrate	13K22N01	1
Fagron	Estradiol hemihydrate	11H23-N02	1
Fagron	Estradiol hemihydrate	14G24-B04-297404	1
Fagron	Estradiol hemihydrate	84201170	1
Fagron	Estradiol hemihydrate	83100820	2
Fagron	Estradiol hemihydrate	12L19-N07	6
Fagron	Estradiol valerate	82201620	2
Fagron	Estradiol valerate	13a07-n11	1
Fagron	Estradiol valerate	12K05-N02	2

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Supplier	Substance	Batch	Spectra
Fagron	Estradiol valerate	12G05N09	1
Fagron	Estradiol valerate	11k04-n04	1
Fagron	Estradiol valerate	12D18-N02	3
Fagron	Estradiol valerate	13D16N10	1
Fagron	Estradiol valerate	13I13-N02	2
Fagron	Estradiol valerate	14E26B02	2
Fagron	Estradiol valerate	14E26-B02-294844	1
Fagron	Estradiol valerate	14E26-B02-294845	3
Fagron	Estradiol valerate	14E26-B02-294847	1
Fagron	Estradiol valerate	14E26-B02-296348	3
Fagron	Estradiol valerate	13G09-N05	6
Fagron	Estradiol valerate	13g09-n05	2
Fagron	Estradiol valerate	12A20-N10	5
Fagron	Estradiol valerate	814M-03259	1
Fagron	Estradiol valerate	13A07-N11	7
Fagron	Estradiol valerate	13D16-N10	4
Fagron	Estradiol valerate	13G09N05	1
Fagron	Estradiol valerate	14E26-b02-302872	1
Fagron	Estradiol valerate	19c10-b05-318405	1
Fagron	Estradiol valerate	10L20-N05	1
Fagron	Estradiol valerate	11G18-N04	1
Fagron	Estradiol valerate	11J13-N09	1
Fagron	Estradiol valerate	11J13-No9	1
Fagron	Estradiol valerate	11K04-N04	1
Fagron	Estradiol valerate	15C10-B05-314840	2
Fagron	Estradiol valerate	14E26-B02-302873	1
Fagron	Estradiol valerate	15C10-B05	1
Fagron	Estradiol valerate	15C10-B05-305395	3
Fagron	Estradiol valerate	15C10-B05-308851	4
Fagron	Estradiol valerate	15c10-b05-309186	1
Fagron	Estradiol valerate	15C10-B05-313568	1
Fagron	Estriol	11D13-N11	1
Fagron	Estriol	11J13-N07	3
Fagron	Estriol	12A26-N02	2
Fagron	Estriol	14H29-B02-298074	1
Fagron	Estriol	13H28-N01	3
Fagron	Estriol	14B06-B11-291563	2
Fagron	Estriol	14B06-B11-291565	1
Fagron	Estriol	14B06-B11-294565	1
Fagron	Estriol	14E13-B01	1
Fagron	Estriol	14E13-B01	1
Fagron	Estriol	14E13-B01-294034	3
Fagron	Estriol	13C15-N04	1
Fagron	Estriol	14E29-B02	1
Fagron	Estriol	81100490	1
Fagron	Estriol	12K07-N15	2
Fagron	Estriol	13C15-N04	3
Fagron	Estriol	12H06-No2	2
Fagron	Estriol	12H06-N02	7
Fagron	Estriol	12F08-N06	1
Fagron	Estriol	13D19-N02	1
Fagron	Ethacridine lactate m...	13/24-N03	1
Fagron	Ethacridine lactate m...	12G02-N13	10
Fagron	Ethacridine lactate m...	12/24-N04	1
Fagron	Ethacridine lactate m...	12J24-N04	1
Fagron	Ethacridine lactate m...	14A15-B04-300493	1
Fagron	Ethacridine lactate m...	13I24-N03	8
Fagron	Ethacridine lactate m...	12G02-N135-15	1
Fagron	Ethacridine lactate m...	12/24-N04	1
Fagron	Ethacridine lactate m...	103485-0006	1

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Supplier	Substance	Batch	Spectra
Fagron	Ethacridine lactate m...	201205001	3
Fagron	Ethacridine lactate m...	2405210013	1
Fagron	Ethacridine lactate m...	13124-N03	1
Fagron	Ethacridine lactate m...	11/07-N05	1
Fagron	Ethinyl estradiol	12D19-N04	2
Fagron	Ethinyl estradiol	14e15b03296049	1
Fagron	Ethinyl estradiol	13I09-N04	1
Fagron	Ethinyl estradiol	84100720	1
Fagron	Fampridine	14D11-B06-296110	1
Fagron	Fampridine	13C07-B02-289395	1
Fagron	Fampridine	16D11-B07	1
Fagron	Fentanyl citrate	20100911-1	1
Fagron	Fentanyl citrate	10H20-N02	1
Fagron	Fentanyl citrate	12G02-N03	1
Fagron	Finasteride (form III)	14111305	1
Fagron	Finasteride (form III)	17011303	1
Fagron	Finasteride (form III)	14L23-B02-306981	1
Fagron	Fluocinolonacetomid, ...	13E22-N10	1
Fagron	Fluocinolonacetomid, ...	14L19-B04-615699	1
Fagron	Fluocinolonacetomid, ...	13L30-B35-295489	1
Fagron	Fluocinolonacetomid, ...	14L19-B04-317248	1
Fagron	Fluocinolonacetomid, ...	14L19-B04	3
Fagron	Folic acid	10F03-N13	1
Fagron	Folic acid	13A11-N01	1
Fagron	Folic acid	13G16-N02	4
Fagron	Folic acid	UT11110182	1
Fagron	Folic acid	13g16-n02	1
Fagron	Fructose	13J18-B06	2
Fagron	Fructose	13E27-N07	2
Fagron	Fructose	1312A-03394	1
Fagron	Fructose	13098906	5
Fagron	Fructose	12H01-N03	3
Fagron	Fructose	12A26-N04	2
Fagron	Fructose	516Q-03394	1
Fagron	Fructose	508Q-03394	1
Fagron	Fructose	12K28-N06	3
Fagron	Fructose	7K21-N12	1
Fagron	Fructose	13j18B06286896	1
Fagron	Fructose	FR1443072	1
Fagron	Fructose	FR1413072	1
Fagron	Fructose	3014Q-03394	1
Fagron	Fructose	15/21-B01	1
Fagron	Fructose	14K17-B99	2
Fagron	Fructose	14E1-B04-293506	1
Fagron	Fructose	14E01-B04-297098	1
Fagron	Fructose	14E01B04293506	1
Fagron	Fructose	14E01-B04-29350	1
Fagron	Fructose	14E01-B04	2
Fagron	Fructose	13J18-B06-286899	1
Fagron	Fructose	1107-N06	1
Fagron	Fuchsine	13H23-M04	2
Fagron	Fuchsine	12G18-N01	1
Fagron	Fuchsine	12F28-N02	1
Fagron	Fuchsine	12A03-N06	2
Fagron	Fuchsine	13A30-N05	2
Fagron	Furosemide	13E28-B40-295538	1
Fagron	Furosemide	13E28-B40	2
Fagron	Furosemide	13A22-N08	1
Fagron	Furosemide	13A22-N08	2
Fagron	Furosemide	12I13-No6	1

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Supplier	Substance	Batch	Spectra
Fagron	Furosemide	12A18-N03	1
Fagron	Furosemide	11K21-N26	1
Fagron	Furosemide	1095H2RI	1
Fagron	Furosemide	13E28-B40-289433	1
Fagron	Fusidic acid	13L13-B01-289513	1
Fagron	Fusidic acid	4113U-07034	1
Fagron	Fusidic acid	13H19-N05	1
Fagron	Fusidic acid	13A07-N10	2
Fagron	Fusidic acid	12G04-No1	1
Fagron	Fusidic acid	12B23-N03	1
Fagron	Fusidic acid	1510-B02_319231	1
Fagron	Fusidic acid	14E01-B08-299791	2
Fagron	Fusidic acid	116E-03682	1
Fagron	Gentamicin sulfate	14E08-B03-294835	1
Fagron	Gentamicin sulfate	15G29-B09-326632	1
Fagron	Gentamicin sulfate	12D26-N05	11
Fagron	Gentamicin sulfate	14E08-B03-294841	1
Fagron	Gentamicin sulfate	13/19-B05-286568	1
Fagron	Gentamicin sulfate	12B21-N02	2
Fagron	Gentamicin sulfate	12D26-N05	2
Fagron	Gentamicin sulfate	1221-n02	1
Fagron	Gentamicin sulfate	14A30-B04-290858	1
Fagron	Gentamicin sulfate	15E04-B05-316255	2
Fagron	Gentamicin sulfate	14E08-B03-300619	2
Fagron	Gentamicin sulfate	15803-B07-309482	1
Fagron	Gentamicin sulfate	14A30-B04-290861	3
Fagron	Gentamicin sulfate	14A30-B04	1
Fagron	Gentamicin sulfate	13I19-B05	1
Fagron	Gentamicin sulfate	10A29-N06	1
Fagron	Gentamicin sulfate	11/09N10	1
Fagron	Gentamicin sulfate	14E08-B03-294848	1
Fagron	Gentamicin sulfate	11604054-01	1
Fagron	Gentamicin sulfate	14E08-B03	1
Fagron	Gentamicin sulfate	14a30-b04-290858	1
Fagron	Gentamicin sulfate	14E08-B03-294848	2
Fagron	Gentamicin sulfate	13I19-B05-286568	1
Fagron	Gentamicin sulfate	14k28-B06-303640	1
Fagron	Gentamicin sulfate	13D24-N05	1
Fagron	Gentamicin sulfate	14A30-B04-290861	1
Fagron	Gentamicin sulfate	11/09-N10	1
Fagron	Gentamicin sulfate	11K21-N17	3
Fagron	Gentamicin sulfate	FG1305122	1
Fagron	Gentamicin sulfate	FG1212646	1
Fagron	Gentamicin sulfate	15B03-B07	1
Fagron	Gentamicin sulfate	11k21-n17	3
Fagron	Gentamicin sulfate	1319-B05-286565	1
Fagron	Gentamicin sulfate	15b03-b07-309482	1
Fagron	Gentamicin sulfate	14K28B06303646	2
Fagron	Gentamicin sulfate	13f13-N01	1
Fagron	Gentamicin sulfate	13D24-N05	1
Fagron	Gentamicin sulfate	14e08b03300619	1
Fagron	Gentamicin sulfate	14A30-B04	1
Fagron	Gentamicin sulfate	14K28-B06	2
Fagron	Gentamicin sulfate	14K28-B06-301951	1
Fagron	Gentamicin sulfate	14K28-B06-303640	1
Fagron	Gentamicin sulfate	14k28-b06-303640	1
Fagron	Gentamicin sulfate	12D26N05	1
Fagron	Gentamicin sulfate	13D24-N05	9
Fagron	Gentamicin sulfate	20100512-3	1
Fagron	Gentamicin sulfate	12117-no2	1

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Supplier	Substance	Batch	Spectra
Fagron	Gentamicin sulfate	12D6-N05	1
Fagron	Gentamicin sulfate	12g04-n16	1
Fagron	Glucose monohydrate	13A25-N01	2
Fagron	Glucose monohydrate	13A25-No1	1
Fagron	Glucose monohydrate	13A25-n01	1
Fagron	Glucose monohydrate	13A25-N01	17
Fagron	Glucose monohydrate	13B01-N03	6
Fagron	Glucose monohydrate	13A_N01	1
Fagron	Glucose monohydrate	13H14-B06-289483	1
Fagron	Glucose monohydrate	13B01N03	1
Fagron	Glucose monohydrate	E571X	1
Fagron	Glucose monohydrate	E524W	1
Fagron	Glucose monohydrate	E368B	1
Fagron	Glucose monohydrate	4213Q-02209	1
Fagron	Glucose monohydrate	3413E-02209	1
Fagron	Glucose monohydrate	270313PML01	1
Fagron	Glucose monohydrate	151780-0004	1
Fagron	Glucose monohydrate	13C25-N09	1
Fagron	Glucose monohydrate	13C25N09	2
Fagron	Glucose monohydrate	12G30-N01	1
Fagron	Glucose monohydrate	14I04-B08-298602	1
Fagron	Glucose monohydrate	14I04-B08	1
Fagron	Glucose monohydrate	14B28-B02-291354	4
Fagron	Glucose monohydrate	14B28-B02-291353	10
Fagron	Glucose monohydrate	14B04-B01-291143	2
Fagron	Glucose monohydrate	14B04-B01-291138	1
Fagron	Glucose monohydrate	14B04-B01-291137	3
Fagron	Glucose monohydrate	14B04-B01	2
Fagron	Glucose monohydrate	14I04B8298602	1
Fagron	Glucose monohydrate	12G30-N01	14
Fagron	Glucose monohydrate	12B09-N05	1
Fagron	Glucose monohydrate	8G31-N09	1
Fagron	Glucose monohydrate	E144C	4
Fagron	Glucose monohydrate	E0AJ5	1
Fagron	Glucose monohydrate	15A21-B06-309508	2
Fagron	Glucose monohydrate	1521-B06-309508	1
Fagron	Glucose monohydrate	1407-808-307707	1
Fagron	Glucose monohydrate		1
Fagron	Glucose, anhydrous	14142303	4
Fagron	Glucose, anhydrous	15329005	3
Fagron	Glutamic acid	6120	1
Fagron	Glutamic acid	13G15-N06	3
Fagron	Glutamic acid	3031502	1
Fagron	Glutamic acid	13J21-N10	1
Fagron	Glycerol monostearate...	12A27-N11	1
Fagron	Glycerol monostearate...	CG10980003	1
Fagron	Glycerol monostearate...	12K05-N06	2
Fagron	Glycerol monostearate...	7G19-N09	1
Fagron	Gramicidin	14H06-B03-297614	3
Fagron	Gramicidin	15C11-B04-306766	1
Fagron	Gramicidin	B3200202	1
Fagron	Gramicidin	12F18-N09	1
Fagron	Gramicidin	12/07-N03	1
Fagron	Gramicidin	B3200266	1
Fagron	Gramicidin	11F-24-N03	1
Fagron	Gramicidin	12I07-N03	1
Fagron	Gramicidin	12K22-N12	1
Fagron	Griseofulvin	15B10-B06-306547	1
Fagron	Griseofulvin	13L13-B08-290317	1
Fagron	Griseofulvin	13L13-B08-290316	2

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Supplier	Substance	Batch	Spectra
Fagron	Griseofulvin	13L13-B08	1
Fagron	Griseofulvin	13L-13B08	1
Fagron	Griseofulvin	13D19-N03	1
Fagron	Griseofulvin	16F13-B06-323067	1
Fagron	Griseofulvin	10F03-N12	1
Fagron	Griseofulvin	12F18-N04	1
Fagron	Griseofulvin	15L03-B04-315624	2
Fagron	Griseofulvin	16F13-B06-323068	3
Fagron	Griseofulvin	15B10-B06-396547	1
Fagron	Hard fat in pastilles	12I04-N11	1
Fagron	Hard fat in pastilles	13D10-N06	1
Fagron	Hard fat in pastilles	14L01-B06-303380	2
Fagron	Hard fat in pastilles	15F03-B06	2
Fagron	Hard fat in pastilles	12G04-N18	1
Fagron	Hard fat in pastilles	15F03-B06-308708	3
Fagron	Hard fat in pastilles	12K01-N12	2
Fagron	Hard fat in pastilles	12158115	8
Fagron	Hard fat W35	15J08-B04	1
Fagron	Hard fat W35	3914E-02328	1
Fagron	Heavy alkaline bismut...	11D28-N16	1
Fagron	Heavy alkaline bismut...	1001311186	1
Fagron	Heavy alkaline bismut...	12D26-N03	1
Fagron	Heavy alkaline bismut...	11/13-N01	1
Fagron	Heavy alkaline bismut...	42000079	1
Fagron	Heavy alkaline bismut...	12C08-N06	2
Fagron	Heavy alkaline bismut...	13H28-B04-291385	1
Fagron	Heavy alkaline bismut...	13C15-N05	3
Fagron	Heavy alkaline bismut...	12d26-no3	1
Fagron	Heavy alkaline bismut...	13B25-N02	4
Fagron	Heavy alkaline bismut...	1309211186	1
Fagron	Heavy, basic magnesiu...	13A10-N02	1
Fagron	Heavy, basic magnesiu...	12F20-N04	1
Fagron	Heparin sodium	14D09-B08-293944	2
Fagron	Heparin sodium	14D09-B08	1
Fagron	Heparin sodium	12H30-N07	2
Fagron	Heparin sodium	13G03-N13	3
Fagron	Heparin sodium	11190188SH	2
Fagron	Heparin sodium	14D09-B08-307077	1
Fagron	Heparin sodium	12G19-B02-313422	1
Fagron	Histamine dihydrochlo...	11E25-N07	2
Fagron	Histamine dihydrochlo...	12D02-N16	1
Fagron	Histamine dihydrochlo...	15E08-B06-313037	2
Fagron	Histamine dihydrochlo...	12K06-N08	7
Fagron	Histamine dihydrochlo...	25051202	1
Fagron	Histamine dihydrochlo...	28051305	1
Fagron	Histamine dihydrochlo...	12E29-N09	2
Fagron	Histamine dihydrochlo...	454545	1
Fagron	Hyaluronic acid sodiu...	L1311012-01	1
Fagron	Hydrochlorothiazide	11G12-N12	1
Fagron	Hydrochlorothiazide	12L14-N11	4
Fagron	Hydrochlorothiazide	12A03-B40-286111	3
Fagron	Hydrochlorothiazide	12B23-N05	1
Fagron	Hydrochlorothiazide	12A03-B40-286110	1
Fagron	Hydrochlorothiazide	11L01-N02	1
Fagron	Hydrochlorothiazide	11101-n02	2
Fagron	Hydrochlorothiazide	2002311234	1
Fagron	Hydrochlorothiazide	14B10B01	1
Fagron	Hydrochlorothiazide	14B10-B01-294558	7
Fagron	Hydrochlorothiazide	11L01-No2	1
Fagron	Hydrochlorothiazide	13C25-N08	6

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Supplier	Substance	Batch	Spectra
Fagron	Hydrochlorothiazide	11Lo1-No2	1
Fagron	Hydrochlorothiazide	5013Q-03660	1
Fagron	Hydrochlorothiazide	14b10-b01-294558	1
Fagron	Hydrochlorothiazide	14B10-B01-300822	2
Fagron	Hydrochlorothiazide	12A03-B40	3
Fagron	Hydrochlorothiazide	16F17-B07-324062	1
Fagron	Hydrochlorothiazide	15E04-B03-309670	1
Fagron	Hydrochlorothiazide	15K16-B01-319833	1
Fagron	Hydrocortisone	15125-B01-318486	1
Fagron	Hydrocortisone	11L09-N09	1
Fagron	Hydrocortisone	11/19-N03	2
Fagron	Hydrocortisone	15D14-B02	1
Fagron	Hydrocortisone	5061305	1
Fagron	Hydrocortisone	11021403	1
Fagron	Hydrocortisone	11k18n01	1
Fagron	Hydrocortisone	11D07-N02	1
Fagron	Hydrocortisone	15D14-B02-311696	4
Fagron	Hydrocortisone	15I25-B01-320154	1
Fagron	Hydrocortisone	14/05-B02-300227	2
Fagron	Hydrocortisone	14B04-B02-293423	2
Fagron	Hydrocortisone	11L09-N06	2
Fagron	Hydrocortisone	14B04-B02-293424	2
Fagron	Hydrocortisone	14I05-B02-300228	1
Fagron	Hydrocortisone	14B04-B02-293422	1
Fagron	Hydrocortisone	13H08-B01-28571	1
Fagron	Hydrocortisone	13H08-B01-285473	1
Fagron	Hydrocortisone	11K18-N01	2
Fagron	Hydrocortisone	5061304	1
Fagron	Hydrocortisone	13K22-B01-288282	1
Fagron	Hydrocortisone	13K22-B01-288280	1
Fagron	Hydrocortisone	14 05-B02-300227	1
Fagron	Hydrocortisone	14/05-B02-300227	1
Fagron	Hydrocortisone	13K22-B01	1
Fagron	Hydrocortisone	13K22-B011	1
Fagron	Hydrocortisone	12091401	1
Fagron	Hydrocortisone	12/25-N01	1
Fagron	Hydrocortisone	14B04-B02	1
Fagron	Hydrocortisone	13H08B01285473	1
Fagron	Hydrocortisone	12I25-N01	3
Fagron	Hydrocortisone	12G19-N01	6
Fagron	Hydrocortisone	K05B20131101	1
Fagron	Hydrocortisone	2180	1
Fagron	Hydrocortisone	120601801	1
Fagron	Hydrocortisone	19051403	1
Fagron	Hydrocortisone	K05B20130407M	1
Fagron	Hydrocortisone acetate	1112031	1
Fagron	Hydrocortisone acetate	14A13-B04-294158	2
Fagron	Hydrocortisone acetate	13J31-B07-290062	1
Fagron	Hydrocortisone acetate	13E31-No2	1
Fagron	Hydrocortisone acetate	3613A-01718	1
Fagron	Hydrocortisone acetate	13J31B07290061	1
Fagron	Hydrocortisone acetate	13J31-B07	2
Fagron	Hydrocortisone acetate	13J31-B07-290061	2
Fagron	Hydrocortisone acetate	12A13-N02	2
Fagron	Hydrocortisone acetate	11/01-N05	1
Fagron	Hydrocortisone acetate	NCEHAC120701	1
Fagron	Hydrocortisone acetate	13/31-B07-290061	1
Fagron	Hydrocortisone acetate	14A13-B04	1
Fagron	Hydrocortisone acetate	8563642	1
Fagron	Hydrocortisone acetate	13E31-N02	3

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Supplier	Substance	Batch	Spectra
Fagron	Hydrocortisone acetate	13/31-B07-290062	1
Fagron	Hydrocortisone acetate	12K15-N04	6
Fagron	Hydrocortisone acetate	14I16-B01-300292	2
Fagron	Hydrocortisone acetate	13F25-B05-300290	2
Fagron	Hydrocortisone acetate	13I55311	1
Fagron	Hydrocortisone acetate	15A30-B09-307133	3
Fagron	Hydrocortisone acetate	NCEHAC130201	1
Fagron	Hydrocortisone acetate	15A30-B09-307090	1
Fagron	Hydrocortisone acetate	15A03-B09-307133	1
Fagron	Hydrocortisone acetate	13A03-N04	5
Fagron	Hydrocortisone acetate	13B25-N04	2
Fagron	Hydrocortisone acetate	15H24-B01-316480	1
Fagron	Hydrocortisone acetate	M39171	1
Fagron	Hydrocortisone acetate	15h24-b01-314236	1
Fagron	Hydromorphone hydroch...	12G05-N02	1
Fagron	Hydroquinone		1
Fagron	Hydroxyethylcellulose...	14D04-B02-293558	1
Fagron	Hydroxyethylcellulose...	14F04-B06-295130	2
Fagron	Hydroxyethylcellulose...	14F04-B06-297846	1
Fagron	Hydroxyethylcellulose...	J0696	3
Fagron	Hydroxyethylcellulose...	14F04-B06-29784K137	1
Fagron	Hydroxyethylcellulose...	14i04-b05-309049	1
Fagron	Hydroxyethylcellulose...	15086407	1
Fagron	Hydroxyethylcellulose...	15B04-B03-312859	2
Fagron	Hydroxyethylcellulose...	14I04-B05-300224	1
Fagron	Hydroxyethylcellulose...	14I04-B05	2
Fagron	Hydroxyethylcellulose...	15B04-B03-315495	1
Fagron	Hydroxyethylcellulose...	15E07-B05-316511	1
Fagron	Hydroxyethylcellulose...	16E09-B05-321320	2
Fagron	Hydroxyethylcellulose...	12C27-N01	1
Fagron	Hydroxyethylcellulose...	12A09-N06	1
Fagron	Hydroxyethylcellulose...	12A09-N06	2
Fagron	Hydroxyethylcellulose...	12345	2
Fagron	Hydroxyethylcellulose...	14/04-B05-300231	1
Fagron	Hydroxyethylcellulose...	1212N-03301	2
Fagron	Hydroxyethylcellulose...	11E09-N08	1
Fagron	Hydroxyethylcellulose...	11I02-N02	1
Fagron	Hydroxyethylcellulose...	11I02-N12	1
Fagron	Hydroxyethylcellulose...	12H02-N06	3
Fagron	Hydroxyethylcellulose...	14I04-B05-309049	1
Fagron	Hydroxyethylcellulose...	2178	1
Fagron	Hydroxyethylcellulose...	K1373	1
Fagron	Hydroxyethylcellulose...	K1373	1
Fagron	Hydroxyethylcellulose...	12C27-N01	1
Fagron	Hydroxyethylcellulose...	13D26-N11	8
Fagron	Hydroxyethylcellulose...	14D04-B02	2
Fagron	Hydroxyethylcellulose...	14D04B02293555	1
Fagron	Hydroxyethylcellulose...	14D04-B02-293558	1
Fagron	Hydroxyethylcellulose...	14I04-B05-300224	1
Fagron	Hydroxyethylcellulose...	12C02-N06	1
Fagron	Hydroxyethylcellulose...	130902002	1
Fagron	Hydroxyethylcellulose...	11I02-N02	1
Fagron	Hydroxyethylcellulose...	13d26-n16	1
Fagron	Hypromellose 4000	16B-16-B07-321327	1
Fagron	Hypromellose 4000	13D03N03	1
Fagron	Hypromellose 4000	1J31012N11	3
Fagron	Hypromellose 4000	D180F8Q011	1
Fagron	Hypromellose 4000	10G09-N03	1
Fagron	Hypromellose 4000	15g08-b14-310845	1
Fagron	Hypromellose 4000	12D03-N03	1

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Supplier	Substance	Batch	Spectra
Fagron	Hypromellose 4000	12G23-N03	1
Fagron	Hypromellose 4000	14G02-B11-302121	1
Fagron	Hypromellose 4000	16B16-B07-318531	1
Fagron	Hypromellose 4000	16B16-B07-321327	1
Fagron	Hypromellose 4000	1K01012N11	1
Fagron	Hypromellose 4000	14C05B03	1
Fagron	Hypromellose 4000	700182-0001	1
Fagron	Hypromellose 4000	15G08-B14-314845	3
Fagron	Hypromellose 4000	16B16-B07-318276	1
Fagron	Hypromellose 4000	12A30-N02	3
Fagron	Hypromellose 4000	12E02-N03	6
Fagron	Hypromellose 4000	12G23-N03	2
Fagron	Hypromellose 4000	14C05-B03-294708	7
Fagron	Hypromellose 4000	20110612-2	1
Fagron	Hypromellose 4000	13E02-B03-290531	3
Fagron	Hypromellose 4000	YI16012N11	1
Fagron	Hypromellose 4000	13D03-N03	4
Fagron	Hypromellose 4000	14G02-B11	3
Fagron	Hypromellose 4000	13H08-N04	2
Fagron	Hypromellose 4000	14c05-B03-294708	1
Fagron	Hypromellose 4000	13E02-B03-290532	1
Fagron	Hypromellose 4000	14C05-B03-294711	1
Fagron	Hypromellose 4000	1A01012N11	1
Fagron	Hypromellose 4000	12H20-N05	1
Fagron	Hypromellose 4000	14G02-B11-296851	1
Fagron	Hypromellose 4000	14G02-B11-302118	2
Fagron	Hypromellose 4000	15B02-B05	1
Fagron	Hypromellose 4000	13h09-m04	1
Fagron	Hypromellose 4000	15G08-B14-310845	4
Fagron	Hypromellose 4000	13H09-N04	3
Fagron	Hypromellose 4000	14C05-B03	1
Fagron	Hypromellose 4000	13H09-N04	6
Fagron	Hypromellose 4000	15G08B14314185	1
Fagron	Ibuprofen	1012039-02	1
Fagron	Indigo carmine I	5093143	1
Fagron	Indigo carmine I	12K06-N11	1
Fagron	Indigo carmine I	12A20-N067-16	1
Fagron	Indigo carmine I	11F09-N06	1
Fagron	Indigo carmine I	5132316	1
Fagron	Indigo carmine I	13K12-N01	1
Fagron	Inositol	L13090200	1
Fagron	Iodoform	12E30-N01	2
Fagron	Iodoform	14D09-B14-293029	1
Fagron	Iodoform	12L11-B41	1
Fagron	Iodoform	12L11-B41-290055	1
Fagron	Ipratropium bromide	14B05-B16-294566	1
Fagron	Isosorbide dinitrate ...	10D29-N10	1
Fagron	Isosorbide dinitrate ...	391311-03516	1
Fagron	Isosorbide dinitrate ...	3413U03516	1
Fagron	Isosorbide dinitrate ...	2405210009	1
Fagron	Isosorbide dinitrate ...	P11008	2
Fagron	Isosorbide dinitrate ...	10029-N10	1
Fagron	Isosorbide dinitrate ...	9E05-N05	2
Fagron	Isosorbide dinitrate ...	9101205	1
Fagron	Isosorbide dinitrate ...	X12010	1
Fagron	Isosorbide dinitrate ...	11/17-No5	1
Fagron	Isosorbide dinitrate ...	2413Q03516	1
Fagron	Isosorbide dinitrate ...	1309210009	1
Fagron	Isosorbide dinitrate ...	13A07-0003	1
Fagron	Isosorbide dinitrate ...	13A07-N13	6

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Supplier	Substance	Batch	Spectra
Fagron	Isosorbide dinitrate ...	13d15-n02	1
Fagron	Isosorbide dinitrate ...	13D15-No2	1
Fagron	Isosorbide dinitrate ...	12K14N02	1
Fagron	Isosorbide dinitrate ...	26061207	1
Fagron	Isosorbide dinitrate ...	11I17-N05	1
Fagron	Isosorbide dinitrate ...	11J17-N05	2
Fagron	Isosorbide dinitrate ...	11I17-N05	1
Fagron	Isosorbide dinitrate ...	12F08N04	1
Fagron	Isosorbide dinitrate ...	12K14-N02	8
Fagron	Isosorbide dinitrate ...	testxx	1
Fagron	Isosorbide dinitrate ...	12C08-N05	5
Fagron	Isosorbide dinitrate ...	14D09-B03-308419	9
Fagron	Isosorbide dinitrate ...	14D09-B03-313566	2
Fagron	Isosorbide dinitrate ...	14D09-B03-294280	6
Fagron	Isosorbide dinitrate ...	13F27-N04	9
Fagron	Isosorbide dinitrate ...	12f08-n04	1
Fagron	Isosorbide dinitrate ...	15 10-B01-320081	1
Fagron	Isosorbide dinitrate ...	15/10-B01-320081	1
Fagron	Isosorbide dinitrate ...	15/10-B01-315217	3
Fagron	Isosorbide dinitrate ...	101652	1
Fagron	Isosorbide dinitrate ...	14D09-B3-308419	1
Fagron	Isosorbide dinitrate ...	13D15-N02	12
Fagron	Isosorbide dinitrate ...	14D09-B03-294282Eber	1
Fagron	Isosorbide dinitrate ...	11J17-No5	1
Fagron	Isosorbide dinitrate ...	8564340	1
Fagron	Isosorbide dinitrate ...	12k14-n02	1
Fagron	Isosorbide dinitrate ...	12F08-N04	11
Fagron	Isosorbide dinitrate ...	14D09-B03	5
Fagron	Isosorbide dinitrate ...	14D09-B03-300234	12
Fagron	Isosorbide dinitrate ...	149168	1
Fagron	Isosorbide dinitrate ...	14D09-B03-294282	3
Fagron	Isosorbide dinitrate ...	14D09-B03-29481	1
Fagron	Isosorbide dinitrate ...	15 10-B01-315217	1
Fagron	Isosorbide dinitrate ...	13I26-N18	8
Fagron	Isosorbide dinitrate ...	14D09-B03-307018	2
Fagron	Isosorbide dinitrate ...	4314U-03516	1
Fagron	Isosorbide dinitrate ...	2114M3516	1
Fagron	Isosorbide dinitrate ...	3115M-03516	1
Fagron	Isosorbide dinitrate ...	3211U-03516	1
Fagron	Ketamine hydrochloride	14/03-B02-303165	1
Fagron	Ketamine hydrochloride	15E07-B03-322164	1
Fagron	Ketamine hydrochloride	12F01-N11	1
Fagron	Ketoconazole	13H09-N07	1
Fagron	Ketoconazole	13179612	2
Fagron	Ketoconazole	13J23-N04	1
Fagron	Ketoconazole	14E09-B01-293736	1
Fagron	Ketoconazole	12I17-N02	1
Fagron	Ketoconazole	12I17-N02	1
Fagron	Ketoconazole	14K04-B06-309671	1
Fagron	Ketoconazole	15G23-B03-312063	1
Fagron	Lactose monohydrate	13E23-B01-283332	1
Fagron	Lactose monohydrate	1301C006-278128	5
Fagron	Lactose monohydrate	12C09-N04	1
Fagron	Lactose monohydrate	1301C005-278129	2
Fagron	Lactose monohydrate	13/23-B02-287554	1
Fagron	Lactose monohydrate	12C26-N05	1
Fagron	Lactose monohydrate	12G27-N02	5
Fagron	Lactose monohydrate	1301C007-278131	1
Fagron	Lactose monohydrate	1303C001-280388	1
Fagron	Lactose monohydrate	1303C002-280398	1

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Supplier	Substance	Batch	Spectra
Fagron	Lactose monohydrate	11L22-N03	1
Fagron	Lactose monohydrate	1303C003	1
Fagron	Lactose monohydrate	1303C001	1
Fagron	Lactose monohydrate	1303C003-280390	1
Fagron	Lactose monohydrate	13088R	1
Fagron	Lactose monohydrate	1301C008-278130	1
Fagron	Lactose monohydrate	12/23-B02-287554	1
Fagron	Lactose monohydrate	15A19-B06-303437	2
Fagron	Lactose monohydrate	15H14-B03-314451	3
Fagron	Lactose monohydrate	14A30-B07-296182	2
Fagron	Lactose monohydrate	14H27-B01-305666	1
Fagron	Lactose monohydrate	14A30-B07	2
Fagron	Lactose monohydrate	14333525	1
Fagron	Lactose monohydrate	13E23-B01	2
Fagron	Lactose monohydrate	13E23-B01-283334	2
Fagron	Lactose monohydrate	282567/0	1
Fagron	Lactose monohydrate	15A19-B06	5
Fagron	Lactose monohydrate	11H04-N04	1
Fagron	Lactose monohydrate	1301C006	1
Fagron	Lactose monohydrate	14H27-B02	1
Fagron	Lactose monohydrate	13J23-B03-291114	1
Fagron	Lactose monohydrate	13I23-B03-287414	1
Fagron	Lactose monohydrate	13I23-B03	4
Fagron	Lactose monohydrate	10751120	1
Fagron	Lactose monohydrate	10726158	1
Fagron	Lactose monohydrate	13096R	1
Fagron	Lactose monohydrate	11C29-N06	1
Fagron	Lactose monohydrate	13I23-B03-291115	1
Fagron	Lactose monohydrate	13I23-B03-291116	1
Fagron	Ladys bedstraw herb,...	12369004	2
Fagron	Levocarnitine	9041504	1
Fagron	Levocarnitine	150104	1
Fagron	Levocarnitine	130526	1
Fagron	Levocarnitine	13G19-N12	3
Fagron	L-glutathione	11E02-N08	1
Fagron	L-glutathione	14H21-B02	1
Fagron	Lidocaine	13J30-B02-292220	1
Fagron	Lidocaine	13j30B02292219	1
Fagron	Lidocaine	13J30-B02-292219	2
Fagron	Lidocaine	15D23B08311708	1
Fagron	Lidocaine	15D23-B08-312058	2
Fagron	Lidocaine	13J30-B02-292221	3
Fagron	Lidocaine	15A15-B01-304283	1
Fagron	Lidocaine	15A15B01304284	1
Fagron	Lidocaine	15D23-B08_309882	1
Fagron	Lidocaine	15A15-B01	1
Fagron	Lidocaine	14E13-B05-295552	2
Fagron	Lidocaine	14E13-B05-295549	2
Fagron	Lidocaine	15D23-B08_312058	1
Fagron	Lidocaine	14E13-B05-295549	1
Fagron	Lidocaine	14E13-B05	1
Fagron	Lidocaine	15A15-B01-304282	3
Fagron	Lidocaine	12/21-N06	2
Fagron	Lidocaine	12c8-n11	1
Fagron	Lidocaine	12E30-N10	12
Fagron	Lidocaine	12h16_n05	1
Fagron	Lidocaine	12h16-N05	1
Fagron	Lidocaine	12H16-N05	10
Fagron	Lidocaine	12H16-n05	1
Fagron	Lidocaine	11K17-N03	3

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Supplier	Substance	Batch	Spectra
Fagron	Lidocaine	214U-03584	1
Fagron	Lidocaine	515M-07006	1
Fagron	Lidocaine	6J23-No2	1
Fagron	Lidocaine	1113M-03584	1
Fagron	Lidocaine	1116E-07006	1
Fagron	Lidocaine	11C09-N07	1
Fagron	Lidocaine	11D28-N12	1
Fagron	Lidocaine	12I12-N06	1
Fagron	Lidocaine	13J30-B02	4
Fagron	Lidocaine	13J30-B02	3
Fagron	Lidocaine	13J30-b02-287639	1
Fagron	Lidocaine	13j30-B02-287639	1
Fagron	Lidocaine	13J30-B02-287641	1
Fagron	Lidocaine	13J30-B02-287641	3
Fagron	Lidocaine	13J30-B02-292219	1
Fagron	Lidocaine	13H05-N050171/245	1
Fagron	Lidocaine	12I21-N06	4
Fagron	Lidocaine	12I21N06	1
Fagron	Lidocaine	13B27-N04	9
Fagron	Lidocaine	13B27N04	1
Fagron	Lidocaine	13E28-B40-289433	1
Fagron	Lidocaine	13H05-N05	12
Fagron	Lidocaine	13H05-N050115/280	1
Fagron	Lidocaine	15D23-B08-312058	1
Fagron	Lidocaine	15d23-b08-312058	1
Fagron	Lidocaine	13J30-B02-292221	1
Fagron	Lidocaine	11C09-N07	1
Fagron	Lidocaine	1014I-07006	1
Fagron	Lidocaine	15H27-B07	1
Fagron	Lidocaine	16F21-B06-323670	2
Fagron	Lidocaine	312/1	1
Fagron	Lidocaine		3
Fagron	Lidocaine hydrochloride	14J07-B04-299434	1
Fagron	Lidocaine hydrochloride	11L09-N09	2
Fagron	Lidocaine hydrochloride	11H18-N01	2
Fagron	Lidocaine hydrochloride	9E08-N03	1
Fagron	Lidocaine hydrochloride	8F26-N07	1
Fagron	Lidocaine hydrochloride	15I17-B01-315828	1
Fagron	Lidocaine hydrochloride	12c05-N02	1
Fagron	Lidocaine hydrochloride	14e13-b06-294973	1
Fagron	Lidocaine hydrochloride	13F07N06	1
Fagron	Lidocaine hydrochloride	9B3M1L2Fo118	1
Fagron	Lidocaine hydrochloride	13L18-B11-286903	1
Fagron	Lidocaine hydrochloride	12H09-N08	3
Fagron	Lidocaine hydrochloride	12E14-N04	3
Fagron	Lidocaine hydrochloride	15I17-B01-316805	1
Fagron	Lidocaine hydrochloride	14B12-B03-292214	7
Fagron	Lidocaine hydrochloride	14E13-B06-294975	5
Fagron	Lidocaine hydrochloride	13L18-B11-286901	1
Fagron	Lidocaine hydrochloride	14e13-b06-294975	1
Fagron	Lidocaine hydrochloride	14J07-B04-299433	3
Fagron	Lidocaine hydrochloride	14J20-B05-303131	1
Fagron	Lidocaine hydrochloride	13F07-N06	7
Fagron	Lidocaine hydrochloride	15/17-B01-316805	1
Fagron	L-isoleucine	15A14-B09	1
Fagron	L-isoleucine	13A22-N03	1
Fagron	L-isoleucine	12080167	1
Fagron	L-isoleucine	11C31-N07	1
Fagron	L-isoleucine	13E02-B01-291112	1
Fagron	L-isoleucine	121101	1

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Supplier	Substance	Batch	Spectra
Fagron	L-isoleucine	8166210302	1
Fagron	L-isoleucine	12H30-N03	1
Fagron	L-isoleucine	13E02-B01-286930	1
Fagron	Lithium orotate monoh...	13J04-N01	1
Fagron	L-leucine	13J09-N03	1
Fagron	L-tryotophan	13J10-N03	2
Fagron	L-tryotophan	11G25-N02	1
Fagron	L-tryotophan	Ch12K02-N05	1
Fagron	L-tryotophan	11G25-N02	2
Fagron	L-tryotophan	11D15-N04	1
Fagron	L-tryotophan	12B14-N15	1
Fagron	Lungwort herb, cut	Nachprüfung	1
Fagron	Lysine hydrochloride	2167210405	1
Fagron	Macrogol 4000	13F12-N09	1
Fagron	Macrogol 4000	3114I-02103	1
Fagron	Macrogol 4000	13B20N01	1
Fagron	Macrogol 4000	14D14-B06	1
Fagron	Macrogol 4000	13G19-N08	2
Fagron	Macrogol 4000	13F12N09	1
Fagron	Macrogol 4000	14G15-B07-295632	1
Fagron	Macrogol 4000	914I-02103	1
Fagron	Macrogol 4000	14D14-B06-293454	1
Fagron	Macrogol 4000	14D14-B06-293453	1
Fagron	Macrogol 4000	13I17-N03	1
Fagron	Macrogol 4000	14061710	1
Fagron	Macrogol 4000	14352612	3
Fagron	Macrogol 4000	14A03B01	1
Fagron	Macrogol 4000	14A03-B01-289602	3
Fagron	Macrogol 4000	14A03-B01-289603	1
Fagron	Macrogol 4000	14A03-B01-289605	1
Fagron	Macrogol 4000	14K03-_b07-300522	1
Fagron	Macrogol 4000	13B20-N01	2
Fagron	Macrogol 4000	12L10-N06	2
Fagron	Macrogol 4000	12I20-n03	1
Fagron	Macrogol 4000	12I20-N03	1
Fagron	Macrogol 4000	12F29-N01	1
Fagron	Macrogol 4000	12F29-N01	2
Fagron	Macrogol 4000	14L12-B06-301991	1
Fagron	Macrogol 4000	2215I-02103	1
Fagron	Macrogol 4000	1112M-02103	1
Fagron	Macrogol 4000	12A12-N07	2
Fagron	Macrogol 4000	12C29-N15	1
Fagron	Macrogol 4000	12F13-N01	1
Fagron	Macrogol 6000 powder,...	11G14-N03	1
Fagron	Macrogol 6000 powder,...	12J22-N02	1
Fagron	Macrogol 6000 powder,...	14J17-B01	1
Fagron	Magnesium (hydrogen) ...	12h28-n03	1
Fagron	Magnesium (hydrogen) ...	12H28-N03	1
Fagron	Magnesium (hydrogen) ...	12H28-N11	4
Fagron	Magnesium (hydrogen) ...	10D28-N22	1
Fagron	Magnesium (hydrogen) ...	13K11-B02-...	1
Fagron	Magnesium (hydrogen) ...	13G02-N04	2
Fagron	Magnesium (hydrogen) ...	13D30-N07	2
Fagron	Magnesium (hydrogen) ...	13B22-N03	1
Fagron	Magnesium (hydrogen) ...	1056239	1
Fagron	Magnesium (hydrogen) ...	14I12-B02	1
Fagron	Magnesium (hydrogen) ...	13K11-B02-288161	1
Fagron	Magnesium (hydrogen) ...	12G10-N01	3
Fagron	Magnesium (hydrogen) ...	13233901	10
Fagron	Magnesium (hydrogen) ...	14K27-B03-305254	1

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Supplier	Substance	Batch	Spectra
Fagron	Magnesium (hydrogen) ...	14I12-B02-298854	2
Fagron	Magnesium (hydrogen) ...	12A30-N03	2
Fagron	Magnesium (hydrogen) ...	12A30-N30	1
Fagron	Magnesium (hydrogen) ...	11H05-N07	1
Fagron	Magnesium chloride he...	1301c009-277802	1
Fagron	Magnesium chloride he...	12D11-N01	1
Fagron	Magnesium chloride he...	12H21-No2	1
Fagron	Magnesium chloride he...	29011304	1
Fagron	Magnesium chloride he...	12D11-N01	5
Fagron	Magnesium chloride he...	1301C009-277802	4
Fagron	Magnesium chloride he...	M1555	1
Fagron	Magnesium chloride he...	1301C012-277804	1
Fagron	Magnesium chloride he...	1301C10	3
Fagron	Magnesium chloride he...	1301C10-277801	1
Fagron	Magnesium chloride he...	1304C001-281211	1
Fagron	Magnesium chloride he...	M1430	1
Fagron	Magnesium chloride he...	1301C011-277803	1
Fagron	Magnesium chloride he...	12B16-N01	6
Fagron	Magnesium chloride he...	13B14-B01-287292	1
Fagron	Magnesium chloride he...	13411207	1
Fagron	Magnesium chloride he...	12h21-N02	1
Fagron	Magnesium chloride he...	12H21-N02	7
Fagron	Magnesium chloride he...	M1625	1
Fagron	Magnesium chloride he...	11K17-N01	1
Fagron	Magnesium chloride he...	1304C004-281210	1
Fagron	Magnesium chloride he...	1304c004-281210	1
Fagron	Magnesium chloride he...	11K17-N10	3
Fagron	Magnesium chloride he...	26061305	1
Fagron	Magnesium orotate dihydro...	13H06-N07	1
Fagron	Magnesium orotate dihydro...	14/13-B05-305616	1
Fagron	Magnesium orotate dihydro...	14E20-B05-296005	1
Fagron	Magnesium orotate dihydro...	12G05-N03	1
Fagron	Magnesium orotate dihydro...	1000060461	1
Fagron	Magnesium sulfate heptahydrate	13H05-N02	1
Fagron	Magnesium sulfate heptahydrate	12L10-N07	1
Fagron	Magnesium sulfate heptahydrate	12G24-N02	1
Fagron	Magnesium sulfate heptahydrate	31161	2
Fagron	Mannitole	13B01-B05-283811	2
Fagron	Mannitole	E687X	1
Fagron	Mannitole	1302c005	1
Fagron	Mannitole	E616X	1
Fagron	Mannitole	E717A	1
Fagron	Mannitole	14G04-B07-296196	1
Fagron	Mannitole	13B01-B05-287705	1
Fagron	Mannitole	13B01-B05-283812	1
Fagron	Mannitole	1302C005	1
Fagron	Mannitole	1302C004	2
Fagron	Mannitole	12K28-N01	1
Fagron	Mannitole	12E24-N03	1
Fagron	Mannitole	11L19-N15	1
Fagron	Mannitole	16824-B08-318962	1
Fagron	Mannitole	15A26-B01-304717	2
Fagron	Mannitole	14G04-B07	2
Fagron	Mannitole	13K20-B01-287700	3
Fagron	Mannitole	13E24N01	1
Fagron	Mannitole	15K17-B01-315560	1
Fagron	Mannitole	170980-0002	1
Fagron	Mannitole	15K25-B04-317786	1
Fagron	Mannitole	15B05-B06-304302	2
Fagron	Mannitole	15B05-B04-304084	2

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Supplier	Substance	Batch	Spectra
Fagron	Mannitole	13K20-B01	1
Fagron	Mannitole	13K20-B01-294193	1
Fagron	Mannitole	13K20-B01-294194	2
Fagron	Mannitole	14G004-B07-301692	1
Fagron	Mannitole	14G17-B06-301921	1
Fagron	Marian thistle fruit	10270608	1
Fagron	Matricaria flower		1
Fagron	Melatonin	13H21-N065x	1
Fagron	Melatonin	13e22-n12	1
Fagron	Melatonin	15C20-B01-308427	2
Fagron	Melatonin	13D12N10	1
Fagron	Melatonin	15G06-B03-315183	1
Fagron	Melatonin	13D12-N10	3
Fagron	Melatonin	11F09-N02	1
Fagron	Melatonin	12K13-N02	1
Fagron	Melatonin	1305029-01	9
Fagron	Melatonin	15C20-B01-306078	2
Fagron	Melatonin	13E22-N12	1
Fagron	Melatonin	13H29-B03	1
Fagron	Melatonin	13H29-B03-291180	2
Fagron	Melatonin	13H29-B03-291180	1
Fagron	Melatonin	13E22N12	1
Fagron	Melatonin	14G18-B01-297242	1
Fagron	Melatonin	14G18-B01-297244	1
Fagron	Melatonin	14G18-B01-297245	1
Fagron	Melatonin	15C20-B01-306077	1
Fagron	Melatonin	15C20-B01-308426	1
Fagron	Melatonin	13H21-N06	3
Fagron	Melissa leaf, cut	12032318	3
Fagron	Menthol	778301	1
Fagron	Menthol	13J21-N04	1
Fagron	Menthol	12F01-N14	1
Fagron	Menthol	13D16-N09	9
Fagron	Menthol	12C05-N03	2
Fagron	Menthol	12/19-N10	3
Fagron	Menthol	858607	2
Fagron	Menthol	14H29-M02	8
Fagron	Menthol	4611I-01855 (NP)	1
Fagron	Menthol	12G20-N02	4
Fagron	Menthol	12D23-N06	4
Fagron	Menthol	12Cos-N03	1
Fagron	Menthol	13G09-N090204/520	1
Fagron	Menthol	1219-N10	1
Fagron	Menthol	13016-N09	1
Fagron	Menthol	12I19-N10	2
Fagron	Menthol	13D16-N090631/1300	1
Fagron	Menthol	13G09-N09	1
Fagron	Menthol	1616Q-01855	1
Fagron	Menthol	14H29-M04	1
Fagron	Mepivacaine hydrochlo...	12E31-B40-305570	1
Fagron	Mepivacaine hydrochlo...	12F20-N07	1
Fagron	Mesalazine	16128-B02-327679	1
Fagron	Methacholine chloride	13G10-N05	2
Fagron	Methacholine chloride	13/13-N03	2
Fagron	Methacholine chloride	10031504	1
Fagron	Methacholine chloride	135000B	2
Fagron	Methacholine chloride	14G30-B03-296210	1
Fagron	Methacholine chloride	14G30-B03-296211	1
Fagron	Methacholine chloride	15F10-B02-315523	1
Fagron	Methacholine chloride	15F10-B02-315831	1

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Supplier	Substance	Batch	Spectra
Fagron	Methacholine chloride	24061503	1
Fagron	Methacholine chloride	312160	1
Fagron	Methadone hydrochloride	12A05-No2	1
Fagron	Methadone hydrochloride	1225H008	1
Fagron	Methadone hydrochloride	1213E-02949	1
Fagron	Methadone hydrochloride	12H07-N05	4
Fagron	Methadone hydrochloride	11G11-N02	1
Fagron	Methadone hydrochloride	12B21-N03	2
Fagron	Methadone hydrochloride	14H15-B01-299381	1
Fagron	Methadone hydrochloride	15B24-B02-313097	1
Fagron	Methadone hydrochloride	11D07-N09	1
Fagron	Methadone hydrochloride	1327h051	1
Fagron	Methadone hydrochloride	13J24-B06	1
Fagron	Methadone hydrochloride	13J24-B06-286907	1
Fagron	Methadone hydrochloride	25091307	1
Fagron	Methadone hydrochloride	12b21-n03	1
Fagron	Methadone hydrochloride	12H07-N07	1
Fagron	Methadone hydrochloride	13B06-N02	6
Fagron	Methadone hydrochloride	13J24B06286910	1
Fagron	Methadone hydrochloride	171920-0009	1
Fagron	Methadone hydrochloride	20130912-6	1
Fagron	Methadone hydrochloride	14C24-B01-292857	4
Fagron	Methadone hydrochloride	1437H012	3
Fagron	Methadone hydrochloride	14C24-B01-292862	1
Fagron	Methadone hydrochloride	14H15-B01	1
Fagron	Methadone hydrochloride	14H15-B01-299380	1
Fagron	Methadone hydrochloride	14H15-B01-299382	4
Fagron	Methadone hydrochloride	14H15-B01-299386	1
Fagron	Methadone hydrochloride	1409H043	1
Fagron	Methadone hydrochloride	4031517	1
Fagron	Methadone hydrochloride	8081501	1
Fagron	Methadone hydrochloride	1316H037	4
Fagron	Methadone hydrochloride	13F17-N02	4
Fagron	Methadone hydrochloride	13I24-B06-286908	1
Fagron	Methadone hydrochloride	13J24-B06-286908	1
Fagron	Methadone hydrochloride	1514H042	2
Fagron	Methadone hydrochloride	16B16-B02-318420	1
Fagron	Methadone hydrochloride	16B16-B02-318421	1
Fagron	Methadone hydrochloride	25091406	1
Fagron	Methadone hydrochloride	29051502	1
Fagron	Methadone hydrochloride	414022-1-P	1
Fagron	Methadone hydrochloride	9041306	1
Fagron	Methadone hydrochloride	1608H002	1
Fagron	Methadone hydrochloride	15B24-B02-304724	5
Fagron	Methadone hydrochloride	15B24-B02-304724	1
Fagron	Methadone hydrochloride	15E29_B02_309070	1
Fagron	Methadone hydrochloride	15E29-B02-309065	1
Fagron	Methadone hydrochloride	15E29-B02-309070	2
Fagron	Methadone hydrochloride	15E29-B02-313098	3
Fagron	Methadone hydrochloride	15I24-B07	1
Fagron	Methionine	13L19-B36	1
Fagron	Methionine	13L19-B36	1
Fagron	Methionine	14G31-B02-297517	1
Fagron	Methionine	15A15-B08-307753	1
Fagron	Methionine	12D27-N06	1
Fagron	Methionine	12G27-N01	1
Fagron	Methionine	12K01-N03	2
Fagron	Methionine	13G09-N02	1
Fagron	Methionine	8116020107	1
Fagron	Methoxsalen	13A10N06	1

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Supplier	Substance	Batch	Spectra
Fagron	Methoxsalen	12G02-N14	1
Fagron	Methoxsalen	12E02-N05	2
Fagron	Methoxsalen	14F06-B05-301978	1
Fagron	Methoxsalen	14F06-B05-296501	3
Fagron	Methoxsalen	14F06-B05-296500	1
Fagron	Methoxsalen	14f06-b05-296500	1
Fagron	Methoxsalen	2111A-03262	1
Fagron	Methoxsalen	11f21-n02	1
Fagron	Methoxsalen	11F21-N02	1
Fagron	Methoxsalen	MS01/13-14	1
Fagron	Methoxsalen	Ch.006/0913	1
Fagron	Methoxsalen	15F23-B03-318166	1
Fagron	Methyl cellulose	15G08B14314845	1
Fagron	Methyl cellulose	13E02-B03-290531	1
Fagron	Methyl cellulose	12H06-N06	2
Fagron	Methyl cellulose	11G15-N08	1
Fagron	Methyl cellulose	131301(09)	1
Fagron	Methyl cellulose	13/26-N04	1
Fagron	Methyl-4-hydroxybenzo...	12H02-N08	2
Fagron	Methyl-4-hydroxybenzo...	12D18-N01	1
Fagron	Methyl-4-hydroxybenzo...		1
Fagron	Methyl-4-hydroxybenzo...	20111125-1	1
Fagron	Methyl-4-hydroxybenzo...	13B25-N03	2
Fagron	Methyl-4-hydroxybenzo...	12D18N01	1
Fagron	Methyl-4-hydroxybenzo...	13E27-N09	1
Fagron	Methylprednisolone	12D17-N04	1
Fagron	Methylrosanilinium ch...	12D19-0005	1
Fagron	Methylrosanilinium ch...	13G03-N11	2
Fagron	Methylrosanilinium ch...	13H28-N03	2
Fagron	Methylrosanilinium ch...	12I17-N05	2
Fagron	Methylrosanilinium ch...	13H28-N03-0161-1030	1
Fagron	Methylrosanilinium ch...	13H28-N03	2
Fagron	Methylrosanilinium ch...	13G03-N011	1
Fagron	Methylrosanilinium ch...	12D19-N01	4
Fagron	Methylrosanilinium ch...	12H28_N06	1
Fagron	Methylrosanilinium ch...	12-17-N050109-140	1
Fagron	Methylrosanilinium ch...	13G03N11	1
Fagron	Metronidazole	14c14b02291276	1
Fagron	Metronidazole	15A20-B07-303295	1
Fagron	Metronidazole	14C14-B02-291276	3
Fagron	Metronidazole	12L17-N11	17
Fagron	Metronidazole	13B06N03	1
Fagron	Metronidazole	15a20-b07-308196	1
Fagron	Metronidazole	12L17_N16	1
Fagron	Metronidazole	12L17-n11	1
Fagron	Metronidazole	12L-N11	1
Fagron	Metronidazole	14C14-B02-295603	1
Fagron	Metronidazole	15A20-B07-303298	1
Fagron	Metronidazole	12L17N11	1
Fagron	Metronidazole	15A20-B07-308196	2
Fagron	Metronidazole	11C21-N01	1
Fagron	Metronidazole	13j21-N07	1
Fagron	Metronidazole	Ch12L17-N11	1
Fagron	Metronidazole	112356	1
Fagron	Metronidazole	141C14-B02-296437	1
Fagron	Metronidazole	14B27-B31-291230	2
Fagron	Metronidazole	10F23-N05	1
Fagron	Metronidazole	13j21-n07	3
Fagron	Metronidazole	13I10-N03	2
Fagron	Metronidazole	15A20-B07	1

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Supplier	Substance	Batch	Spectra
Fagron	Metronidazole	13D10-N02	3
Fagron	Metronidazole	15A20-B07-303293	3
Fagron	Metronidazole	13J21-N07	30
Fagron	Metronidazole	13J21N07	3
Fagron	Metronidazole	14B27-B31-291234	1
Fagron	Metronidazole	12G04-N15	21
Fagron	Metronidazole	15A20-B07-303294	1
Fagron	Metronidazole	12f15-n04	1
Fagron	Metronidazole	13B06-N03	14
Fagron	Metronidazole	1220141155F	2
Fagron	Metronidazole	12a2o-n18	1
Fagron	Metronidazole	12L17-N16	4
Fagron	Metronidazole	14B27-B31-291235	1
Fagron	Metronidazole	14C14-B291237	1
Fagron	Metronidazole	14C14-B02-300182	2
Fagron	Metronidazole	14-C14-B02-296437	1
Fagron	Metronidazole	14C14-B02-296437	4
Fagron	Metronidazole	1307042	1
Fagron	Metronidazole	13/21-N07	2
Fagron	Metronidazole	15A20B07308525	1
Fagron	Metronidazole	14c14-b02-291275	1
Fagron	Metronidazole	9041303	1
Fagron	Metronidazole	12D30-N03	4
Fagron	Metronidazole	14C14-B02-2911239	1
Fagron	Metronidazole	14c14-b02-21238	1
Fagron	Metronidazole	14C14B02	3
Fagron	Metronidazole	20130906F	4
Fagron	Metronidazole	172939-B01-295547	1
Fagron	Metronidazole	14C14-B02-291275	2
Fagron	Metronidazole	14c14-b02-291239	1
Fagron	Metronidazole	14C14-B02-291241	1
Fagron	Metronidazole	14C14-B02-291238	2
Fagron	Metronidazole	20140131F	1
Fagron	Metronidazole	14C14-B02-291237	7
Fagron	Metronidazole	8I10-N19	1
Fagron	Metronidazole	3212E01870	1
Fagron	Metronidazole	12D30-N02	1
Fagron	Metronidazole	16I19-B04-326151	1
Fagron	Metronidazole	15A20-B07-31225	1
Fagron	Metronidazole	15A20-B07312057	1
Fagron	Metronidazole	15A20-B07-312057	1
Fagron	Metronidazole	20121121	2
Fagron	Metronidazole	11H11-n03	1
Fagron	Metronidazole	15a20-b07-308791	1
Fagron	Metronidazole	13D08N22	1
Fagron	Metronidazole	15A20-B07-308791	3
Fagron	Metronidazole	14B-B02-291275	1
Fagron	Metronidazole	14C14-B01-306363	3
Fagron	Metronidazole	14C14-B01	1
Fagron	Metronidazole	12F15-N04	9
Fagron	Metronidazole	14C14-B02-291239	6
Fagron	Metronidazole	14C14-802-291237	1
Fagron	Metronidazole	12g04-n15	1
Fagron	Miconazole nitrate	14D25-B06-294958	9
Fagron	Miconazole nitrate	13H28-N06	20
Fagron	Miconazole nitrate	13061501	1
Fagron	Miconazole nitrate	14D25-B06-294959	6
Fagron	Miconazole nitrate	31101306	1
Fagron	Miconazole nitrate	14D25-B06	2
Fagron	Miconazole nitrate	13A14-B09-287487	3

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Supplier	Substance	Batch	Spectra
Fagron	Miconazole nitrate	13A14-B09-287486	3
Fagron	Miconazole nitrate	14B18-B02-291232	3
Fagron	Miconazole nitrate	2900/08/12	4
Fagron	Miconazole nitrate	14B18-B02	5
Fagron	Miconazole nitrate	14149313	1
Fagron	Miconazole nitrate	14B18B02	1
Fagron	Miconazole nitrate	14B18-B02-291249	1
Fagron	Miconazole nitrate	14B18-B02-291233	3
Fagron	Miconazole nitrate	12K02-N06	8
Fagron	Miconazole nitrate	12h10-n02	2
Fagron	Miconazole nitrate	15i08-b07-315481	1
Fagron	Miconazole nitrate	15i08-b07-312317	1
Fagron	Miconazole nitrate	13A14-B09-287488	2
Fagron	Miconazole nitrate	14B18-B02-291248	6
Fagron	Miconazole nitrate	14051403	1
Fagron	Miconazole nitrate	15i08-B07-318686	1
Fagron	Miconazole nitrate	16E04-B03-327362	1
Fagron	Miconazole nitrate	15A13-B07-308432	1
Fagron	Miconazole nitrate	15A13-B07-307140	3
Fagron	Miconazole nitrate	19051402	1
Fagron	Miconazole nitrate	15A13-B07-306791	3
Fagron	Miconazole nitrate	15A13-B07-306565	1
Fagron	Miconazole nitrate	15A13-B07	2
Fagron	Miconazole nitrate	15/08-B07-318686	1
Fagron	Miconazole nitrate	13H28_N06	1
Fagron	Miconazole nitrate	15/08-B07-312317	1
Fagron	Miconazole nitrate	13H28-N06	2
Fagron	Miconazole nitrate	16E04-B03-321367	1
Fagron	Miconazole nitrate	15i08-B07-315492	1
Fagron	Miconazole nitrate	13d22-n14	1
Fagron	Miconazole nitrate	13D22-N14	16
Fagron	Miconazole nitrate	15i08-B07-318686	2
Fagron	Miconazole nitrate	15i08-B07-312321	2
Fagron	Miconazole nitrate	13E13-N04	2
Fagron	Miconazole nitrate	13A14B09287487	1
Fagron	Miconazole nitrate	15i08-B07-3121321	1
Fagron	Miconazole nitrate	13E13-N08	2
Fagron	Miconazole nitrate	13A14-B09-287453	1
Fagron	Miconazole nitrate	15i08-B07	1
Fagron	Miconazole nitrate	14B18-B02-291250	1
Fagron	Miconazole nitrate	14d25-b06-299790	1
Fagron	Miconazole nitrate	1328-N06	1
Fagron	Miconazole nitrate	2900/04/14	2
Fagron	Miconazole nitrate	2900/15/13	1
Fagron	Miconazole nitrate	14D25-B06-299790	1
Fagron	Miconazole nitrate	14d25-b06-294960	1
Fagron	Miconazole nitrate	14D25-B06-294960	5
Fagron	Miconazole nitrate	2900/16/14	2
Fagron	Miconazole nitrate	13091R	1
Fagron	Miconazole nitrate	4111301	1
Fagron	Miconazole nitrate	12/21-M03	1
Fagron	Miconazole nitrate	13A14-B09	2
Fagron	Miconazole nitrate	17011307	1
Fagron	Miconazole nitrate	20081201	1
Fagron	Miconazole nitrate	14H06-B01-299813	3
Fagron	Miconazole nitrate	27061202	1
Fagron	Miconazole nitrate	14H06-B01-299799	4
Fagron	Miconazole nitrate	14b18-b02-291247	1
Fagron	Miconazole nitrate	15137905	6
Fagron	Miconazole nitrate	13A14B09283005	1

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Supplier	Substance	Batch	Spectra
Fagron	Miconazole nitrate	15a13-b07-308432	1
Fagron	Midazolam hydrochloride	14C19-B04	1
Fagron	Midazolam hydrochloride	9D27-N01	2
Fagron	Midazolam hydrochloride	14H05-B08-297982	1
Fagron	Midazolam hydrochloride	13E22-N09	2
Fagron	Minoxidil	7/13	1
Fagron	Minoxidil	13123-N07	1
Fagron	Minoxidil	13K04-B05-290380	4
Fagron	Minoxidil	12H07-N03	1
Fagron	Minoxidil	12H07-No3	1
Fagron	Minoxidil	11K11-N09	2
Fagron	Minoxidil	12H07-N03	1
Fagron	Minoxidil	12H07-N030265/432	1
Fagron	Minoxidil	12H07-N03	1
Fagron	Minoxidil	12A25-N04	5
Fagron	Minoxidil	12C29-N050087/240	1
Fagron	Minoxidil	12H07N03	1
Fagron	Minoxidil	12H07-N03	19
Fagron	Minoxidil	13E13N10	1
Fagron	Minoxidil	612212844	1
Fagron	Minoxidil	10J14-N19	1
Fagron	Minoxidil	11021402	1
Fagron	Minoxidil	13K04-B05-290379	2
Fagron	Minoxidil	111012010	1
Fagron	Minoxidil	13K04-B05-290377	5
Fagron	Minoxidil	13K04-B05-0004	1
Fagron	Minoxidil	13J29-B02	1
Fagron	Minoxidil	12C29-N050145/240	1
Fagron	Minoxidil	13I23-N07	10
Fagron	Minoxidil	13H07-N03	1
Fagron	Minoxidil	13J23N07	2
Fagron	Minoxidil	15E19-B06-308181	2
Fagron	Minoxidil	15E19-B06-308180	1
Fagron	Minoxidil	15e19-b06-308180	1
Fagron	Minoxidil	15E19-06-308183	1
Fagron	Minoxidil	1520000768	1
Fagron	Minoxidil	1520000768	2
Fagron	Minoxidil	15F02B09	1
Fagron	Minoxidil	14L03-Bo2-301430	1
Fagron	Minoxidil	14L03-B02-301541	1
Fagron	Minoxidil	14L03-B02-301431	1
Fagron	Minoxidil	14L03-B02-301430	2
Fagron	Minoxidil	15E19-B06-308182	1
Fagron	Minoxidil	Fagron	1
Fagron	Minoxidil	4110I-02844	1
Fagron	Minoxidil	27081301	1
Fagron	Minoxidil	26111302	1
Fagron	Minoxidil	26021303	1
Fagron	Minoxidil	15K17-B05-320188	1
Fagron	Minoxidil	15E-19-B06-308182	1
Fagron	Minoxidil	15E19-B06-308183	2
Fagron	Minoxidil	15E19-B06-308183	1
Fagron	Minoxidil	15F02-B08	1
Fagron	Minoxidil	15K17-B05-318240	1
Fagron	Minoxidil	15K17-B05-318241	1
Fagron	Minoxidil	14L03-B02301429	1
Fagron	Minoxidil	14L03-B02	2
Fagron	Minoxidil	14B04-B07	3
Fagron	Minoxidil	1420001962	1
Fagron	Minoxidil	14B04-B07-290883	3

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Supplier	Substance	Batch	Spectra
Fagron	Minoxidil	14L03-B02-301429	5
Fagron	Minoxidil	14L03-B02-301429	1
Fagron	Mometasone furoate, m...	15/11-B02-314479	2
Fagron	Mometasone furoate, m...	15/11-B02-315705	2
Fagron	Mometasone furoate, m...	15G08-B11-317182	7
Fagron	Mometasone furoate, m...	15/11-B02-316705	1
Fagron	Mometasone furoate, m...	15G08-B11-312233	2
Fagron	Mometasone furoate, m...	15G-B11-310864	1
Fagron	Mometasone furoate, m...	13H13-N04	1
Fagron	Mometasone furoate, m...	15G08-B11-322738	2
Fagron	Mometasone furoate, m...	15G08B11322738	1
Fagron	Mometasone furoate, m...	13F7-N01	1
Fagron	Mometasone furoate, m...	15/11-B02	3
Fagron	Mometasone furoate, m...	15/11-B02-31447	1
Fagron	Mometasone furoate, m...	13F17-N01	1
Fagron	Mometasone furoate, m...	15B11-B03-304123	7
Fagron	Mometasone furoate, m...	15B11-B03-304124	2
Fagron	Mometasone furoate, m...	15G08-B11	1
Fagron	Mometasone furoate, m...	15B11B03308860	1
Fagron	Mometasone furoate, m...	15b11-b03-304124	1
Fagron	Mometasone furoate, m...	15B11-B03-308276	1
Fagron	Mometasone furoate, m...	12J29-N03	9
Fagron	Mometasone furoate, m...	15G08-B11-310864	4
Fagron	Mometasone furoate, m...	15B11-B03	1
Fagron	Mometasone furoate, m...	15B11-B03-304120	3
Fagron	Mometasone furoate, m...	15B11-B03-304121	8
Fagron	Mometasone furoate, m...	15B11B03304121	1
Fagron	Mometasone furoate, m...	15B11-B03-304122	4
Fagron	Mometasone furoate, m...	15B11B03304122	2
Fagron	Mometasone furoate, m...	15I11-B02-314479	3
Fagron	Mometasone furoate, m...	13j23_n02	1
Fagron	Mometasone furoate, m...	13F27-N02	1
Fagron	Mometasone furoate, m...	13F27-N02	8
Fagron	Mometasone furoate, m...	13f17-n01	1
Fagron	Mometasone furoate, m...	13F17-N01	7
Fagron	Mometasone furoate, m...	13D08N06	1
Fagron	Mometasone furoate, m...	10805-N12	1
Fagron	Mometasone furoate, m...	12I29-N03	1
Fagron	Mometasone furoate, m...	12H09-N02	12
Fagron	Mometasone furoate, m...	12e02-n11	1
Fagron	Mometasone furoate, m...	12B22-N04	1
Fagron	Mometasone furoate, m...	12/29-No3	1
Fagron	Mometasone furoate, m...	11C02-N03	4
Fagron	Mometasone furoate, m...	10C29-N10	1
Fagron	Mometasone furoate, m...	1814E3640	1
Fagron	Mometasone furoate, m...	1716I-07010	1
Fagron	Mometasone furoate, m...	16A20-B06-319749	3
Fagron	Mometasone furoate, m...	16A20-B06-319748	1
Fagron	Mometasone furoate, m...	16A20-B06	1
Fagron	Mometasone furoate, m...	15J11-B02-315705	1
Fagron	Mometasone furoate, m...	2114M3640	1
Fagron	Mometasone furoate, m...	11F08-N03	2
Fagron	Mometasone furoate, m...	10G27-N05	1
Fagron	Mometasone furoate, m...	NU2504M	1
Fagron	Mometasone furoate, m...	NT1568M	6
Fagron	Mometasone furoate, m...	NS1513M	1
Fagron	Mometasone furoate, m...	3313A-07030	1
Fagron	Mometasone furoate, m...	2215I-07030	1
Fagron	Mometasone furoate, m...	14H06-B07-302376	2
Fagron	Mometasone furoate, m...	11k28-n09	1

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Supplier	Substance	Batch	Spectra
Fagron	Mometasone furoate, m...	14C07-B05	1
Fagron	Mometasone furoate, m...	14C07-B05-291264	1
Fagron	Mometasone furoate, m...	14C07-B05-291266	3
Fagron	Mometasone furoate, m...	14C07B05291268	1
Fagron	Mometasone furoate, m...	14E20-B04	4
Fagron	Mometasone furoate, m...	13j23-N02	1
Fagron	Mometasone furoate, m...	5/0715	1
Fagron	Mometasone furoate, m...	11K28-N09	2
Fagron	Mometasone furoate, m...	13D08-N06	21
Fagron	Mometasone furoate, m...	13Do8-N06	1
Fagron	Mometasone furoate, m...	13H13-N04	13
Fagron	Mometasone furoate, m...	13J23-N02	25
Fagron	Mometasone furoate, m...	14E20-B04-291265	4
Fagron	Mometasone furoate, m...	14H06-B07297240	1
Fagron	Mometasone furoate, m...	14H06-B07-297240	5
Fagron	Mometasone furoate, m...	2714U-07030	1
Fagron	Mometasone furoate, m...	15b11-b03-308276	1
Fagron	Mometasone furoate, m...	14H06-B07-298481	1
Fagron	Mometasone furoate, m...	NS0420M	2
Fagron	Mometasone furoate, m...	14H06-B07-298482	7
Fagron	Mometasone furoate, m...	14E20-B04-291269	2
Fagron	Mometasone furoate, m...	14e20-b04-291267	1
Fagron	Mometasone furoate, m...	14e20b04291265	1
Fagron	Mometasone furoate, m...	14E20-B04-294645	5
Fagron	Mometasone furoate, m...	12J29-N01	1
Fagron	Mometasone furoate, m...	14E20-B04-302374	1
Fagron	Mometasone furoate, m...	14e20-b04-291265	1
Fagron	Morphine hydrochloride	11A27-N04	1
Fagron	Morphine hydrochloride	12E10N04	1
Fagron	Morphine hydrochloride	12E10-N04	2
Fagron	Morphine hydrochloride	15J27_B01_316889	1
Fagron	Morphine hydrochloride	15I09-B08-312693	1
Fagron	Morphine hydrochloride	15A12-B04-303137	1
Fagron	Morphine hydrochloride	13H22-N12	1
Fagron	Morphine hydrochloride	13D09-N04	1
Fagron	Mupirocin calcium	14B03-B30-297291	1
Fagron	Mupirocin calcium	14B03-B30-299165	1
Fagron	Naloxone hydrochloride	12G19-N02	2
Fagron	Naloxone hydrochloride	12G19-N02	1
Fagron	Naloxone hydrochloride	13D22-N07	3
Fagron	Naloxone hydrochloride	13H09-N08	1
Fagron	Naloxone hydrochloride	13L12-B03-289511	1
Fagron	Naloxone hydrochloride	12-00071	2
Fagron	Naloxone hydrochloride	11/23-N01	1
Fagron	Naloxone hydrochlorid...	15B06-B02-304420	1
Fagron	Naloxone hydrochlorid...	15E28-B01-308324	2
Fagron	Naloxone hydrochlorid...	15H04-B09	3
Fagron	Naloxone hydrochlorid...	15K11-B05-319571	1
Fagron	Naloxone hydrochlorid...	13L12-B03	3
Fagron	Naloxone hydrochlorid...	14F20-B02	1
Fagron	Naloxone hydrochlorid...	14A28-B33-296076	1
Fagron	Naloxone hydrochlorid...	12G19-N02	1
Fagron	Naloxone hydrochlorid...	13D22-N07	1
Fagron	Naloxone hydrochlorid...	14F20-B02-296077	2
Fagron	Naloxone hydrochlorid...	15B06-B02-304421	1
Fagron	Naphazoline hydrochlo...	13I03-B03-295105	2
Fagron	Naphazoline hydrochlo...	11/05-N02	1
Fagron	Naphazoline hydrochlo...	11I05-N02	2
Fagron	Naphazoline hydrochlo...	11J13-N08	1
Fagron	Naphazoline hydrochlo...	11K25-N03	1

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Supplier	Substance	Batch	Spectra
Fagron	Naphazoline hydrochlo...	12K29-N01o256/310	1
Fagron	Naphazoline hydrochlo...	13C11-N07	3
Fagron	Naphazoline hydrochlo...	13C11N07	1
Fagron	Naphazoline hydrochlo...	4309I-01885	1
Fagron	Naphazoline hydrochlo...	4509E-01885	1
Fagron	Naphazoline hydrochlo...	13k27-n04	1
Fagron	Naphazoline hydrochlo...	60494000113K27-N04	1
Fagron	Naphazoline hydrochlo...	13/03-B03-305291	1
Fagron	Naphazoline hydrochlo...	13A07-N06	4
Fagron	Naphazoline hydrochlo...	13I03-B03	1
Fagron	Naphazoline hydrochlo...	13K27-N04	4
Fagron	Naphazoline hydrochlo...	13I03-B03-305291	1
Fagron	Naphazoline hydrochlo...	13I03-B03-305291	2
Fagron	Naphazoline nitrate	12J08B40-294166	1
Fagron	Naphazoline nitrate	21021304	1
Fagron	Naphazoline nitrate	12J08-B40-294166	1
Fagron	Naphazoline nitrate	16A14-B03-322534	1
Fagron	Neomycin sulfate	13D10-N05	8
Fagron	Neomycin sulfate	14A31-B02-302519	1
Fagron	Neomycin sulfate	14A31B02294696	1
Fagron	Neomycin sulfate	14A31-B02-294696	4
Fagron	Neomycin sulfate	4312I-01926	1
Fagron	Neomycin sulfate	14A31-B02	1
Fagron	Neomycin sulfate	14C27-B05	1
Fagron	Neomycin sulfate	15J27-B07	1
Fagron	Neomycin sulfate	15J09-B04-314017	2
Fagron	Neomycin sulfate	15J09-B04-314015	1
Fagron	Neomycin sulfate	15J09-B04314015	1
Fagron	Neomycin sulfate	15J09-B04	1
Fagron	Neomycin sulfate	F08469	1
Fagron	Neomycin sulfate	13G09N07	2
Fagron	Neomycin sulfate	13G09-N06	1
Fagron	Neomycin sulfate	12H23-N04	6
Fagron	Neomycin sulfate	13D10-N05	1
Fagron	Neomycin sulfate	11C21-N10	2
Fagron	Neomycin sulfate	12I19-N14	1
Fagron	Neomycin sulfate	10I21-N01	1
Fagron	Neomycin sulfate	14A31-B02	1
Fagron	Neomycin sulfate	14A31B02	2
Fagron	Neomycin sulfate	13K15-B33-288073	3
Fagron	Neomycin sulfate	13K15-B33-288069	3
Fagron	Neomycin sulfate	13G09-N070129/340	1
Fagron	Neomycin sulfate	13G09-N07	13
Fagron	Nettle leaf, cut	12184702	3
Fagron	Nicotinamide	L14020084	1
Fagron	Nicotinamide	12J02-B03	1
Fagron	Nicotinamide	10L21-N09	1
Fagron	Nicotinic acid	14E01-B09	1
Fagron	Nitrofurantoin	15J15-B06-315225	1
Fagron	Nitrofurantoin	15J15-B06-313939	1
Fagron	Nitrofurantoin	15J15-B06	2
Fagron	Nitrofurantoin	13D10-N03	1
Fagron	Nitrofurantoin	11F07-N06	1
Fagron	Nitrofurantoin	13B28-N07	1
Fagron	Nitrofurantoin	13A08-N01	1
Fagron	Nitrofurantoin	201203080296	1
Fagron	Nitrofurantoin	71/14	1
Fagron	Nitrofurantoin	12C30-N03	1
Fagron	Nitrofurantoin	2714I-03527	1
Fagron	Nitrofurantoin	3071403	1

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Supplier	Substance	Batch	Spectra
Fagron	Norethisterone acetate	12C06-N10	2
Fagron	Norethisterone acetate	22061206	1
Fagron	Norethisterone acetate	13D19-No6	1
Fagron	Norethisterone acetate	23071509	1
Fagron	Norethisterone acetate	11H22-N03	2
Fagron	Norethisterone acetate	10L22-N01	1
Fagron	Norethisterone acetate	14d08-b01-292736	1
Fagron	Norethisterone acetate	14h29-b03-310697	1
Fagron	Nystatin	4014376	1
Fagron	Nystatin	20121202	1
Fagron	Nystatin	13C11-N08	1
Fagron	Nystatin	12G04-N12	1
Fagron	Nystatin	12C29-N09	3
Fagron	Nystatin	11C21-N10	1
Fagron	Nystatin	11K11-N04	1
Fagron	Nystatin	11K11-No4	1
Fagron	Nystatin	11L21-N02	1
Fagron	Omeprazole	15B26-B40-305669	1
Fagron	Omeprazole	15K12-B02-314608	1
Fagron	Ornithine hydrochloride	13/23-No5	1
Fagron	Ornithine hydrochloride	15A13-B03	1
Fagron	Ornithine hydrochloride	13A03-N05	1
Fagron	Oxybuprocaine hydroch...	4612M-03639	2
Fagron	Oxybuprocaine hydroch...	13h13-n05	2
Fagron	Oxybuprocaine hydroch...	3613N-07321	1
Fagron	Oxybuprocaine hydroch...	12L19N01	1
Fagron	Oxybuprocaine hydroch...	13J24B07295015	1
Fagron	Oxybuprocaine hydroch...	13H13-N050001/18	1
Fagron	Oxybuprocaine hydroch...	13C01-N01	4
Fagron	Oxybutynin hydrochlor...	15F05-b03-315220	1
Fagron	Oxybutynin hydrochlor...	14/16-B03-300207	1
Fagron	Oxybutynin hydrochlor...	13H26-B03	1
Fagron	Oxytetracycline hydro...	12G10-N04	12
Fagron	Oxytetracycline hydro...	912A-02865	1
Fagron	Oxytetracycline hydro...	4-49732A-2	1
Fagron	Oxytetracycline hydro...	130602203	1
Fagron	Oxytetracycline hydro...	12A26-N05	8
Fagron	Oxytetracycline hydro...	13D08-N11	7
Fagron	Oxytetracycline hydro...	13L19-B33-29073	1
Fagron	Oxytetracycline hydro...	C22H25CIN209	1
Fagron	Oxytetracycline hydro...	3-45703A	1
Fagron	Oxytetracycline hydro...	14I22-B01-301465	1
Fagron	Oxytetracycline hydro...	13I26-N11	1
Fagron	Oxytetracycline hydro...	13L19-B33	5
Fagron	Oxytetracycline hydro...	13L19-B33-290731	4
Fagron	Oxytetracycline hydro...	13L19-B33-290732	1
Fagron	Oxytetracycline hydro...	14/22-B01-301465	2
Fagron	Oxytetracycline hydro...	14I22-B01-301464	1
Fagron	Oxytetracycline hydro...	14I22-B01	1
Fagron	Peppermint leaf, cut	13030803	3
Fagron	Pheniramine maleate	14C25-B01-295293	1
Fagron	Pheniramine maleate	12I06-N02	1
Fagron	Pheniramine maleate	12L04-N05	2
Fagron	Pheniramine maleate	32/06-N02	1
Fagron	Phenobarbital	13G05-N09	2
Fagron	Phenylbutazon	11H26-N02	1
Fagron	Phenylephrine hydroch...	12C08-N17	1
Fagron	Phenylephrine hydroch...	12g19-n04	1
Fagron	Phenylephrine hydroch...	12G19-N04	1
Fagron	Phenylephrine hydroch...	13A03-N09	4

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Supplier	Substance	Batch	Spectra
Fagron	Phenylephrine hydroch. ...	13a03-n09	1
Fagron	Phenylephrine hydroch. ...	13B14-N03	1
Fagron	Phenylephrine hydroch. ...	13D09-N02	1
Fagron	Phenylephrine hydroch. ...	13G10-N04	1
Fagron	Phenylephrine hydroch. ...	CH12F01-N20	1
Fagron	Phenylephrine hydroch. ...	12A03-N09	1
Fagron	Phenylephrine hydroch. ...	10091504	1
Fagron	Phenylephrine hydroch. ...	12J19-B40-288253	2
Fagron	Phenylephrine hydroch. ...	13K25-B02-293844	3
Fagron	Phenylephrine hydroch. ...	14H13-B02-299814	1
Fagron	Phenylephrine hydroch. ...	14H13-B02-299816	3
Fagron	Phenylephrine hydroch. ...	1021402	1
Fagron	Phenylephrine hydroch. ...	15F09-B08-316796	1
Fagron	Phenylephrine hydroch. ...	14H13-B02-309892	2
Fagron	Phenylephrine hydroch. ...	14H13B02299817	1
Fagron	Phenylephrine hydroch. ...	14H13B02-299817	1
Fagron	Phenytol	12C27N13	1
Fagron	Phenytol	12I07-N02	1
Fagron	Phenytol	13G26-N02	1
Fagron	Pilocarpine hydrochlo. ...	13H24-N03	1
Fagron	Poloxamers 407	5211Q-07027	1
Fagron	Poloxamers 407	12K23-N03	1
Fagron	Poloxamers 407	WPWI610C	1
Fagron	Poloxamers 407	5315I-07027	1
Fagron	Poloxamers 407	13G29-N01	1
Fagron	Poloxamers 407	914I-07027	1
Fagron	Poloxamers 407	315E-07027	1
Fagron	Polymyxin B sulfate	14F04-B03-296721	1
Fagron	Polymyxin B sulfate	12D05-N01	2
Fagron	Polymyxin B sulfate	12G25-N06	1
Fagron	Polymyxin B sulfate	13H28-B02-87953	1
Fagron	Polymyxin B sulfate	13G05-N06	1
Fagron	Polymyxin B sulfate	912A-03315	1
Fagron	Polymyxin B sulfate	12G13-N05	1
Fagron	Polymyxin B sulfate	13/13-N05	1
Fagron	Polymyxin B sulfate	13G05-N06	1
Fagron	Potassium citrate	1204016-01	8
Fagron	Potassium hydrocarbon. ...	3413M-01728	1
Fagron	Potassium hydrocarbon. ...	12C12-N02	2
Fagron	Potassium hydrocarbon. ...	13031205	1
Fagron	Potassium hydrocarbon. ...	12141911	1
Fagron	Potassium hydrocarbon. ...	120801001	1
Fagron	Potassium hydrocarbon. ...	11/26-N14	1
Fagron	Potassium hydrocarbon. ...	10G22-N10	1
Fagron	Potassium hydrocarbon. ...	12K27-N06	2
Fagron	Potassium sorbate	3115M-01748	1
Fagron	Potassium sorbate	4314U-01748	1
Fagron	Potassium sorbate	3912A-01748	1
Fagron	Potassium sorbate	13065211	2
Fagron	Prasterone	12K30-N06	2
Fagron	Prasterone	19061304	1
Fagron	Prasterone	7013260004	1
Fagron	Prasterone	L14050137	1
Fagron	Prasterone	13J10-B02	1
Fagron	Prasterone	14C18-B02	1
Fagron	Prasterone	14C18-B02-293606	1
Fagron	Prasterone	14J21-B03-303458	1
Fagron	Prasterone	14C18-Bo2-293603	1
Fagron	Prasterone	12C26-N09	1
Fagron	Prasterone	15G14-B07-310827	1

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Supplier	Substance	Batch	Spectra
Fagron	Prasterone	12G04-N19	3
Fagron	Prasterone	14H12-B05-297727	2
Fagron	Prasterone	13J10-B02-287177	1
Fagron	Prednicarbate, micron...	15G10-B02-31084	1
Fagron	Prednicarbate, micron...	15J22-B04-318528	1
Fagron	Prednicarbate, micron...	15J22-B04-316799	1
Fagron	Prednicarbate, micron...	15J22-B04	1
Fagron	Prednicarbate, micron...	15G10-B02-310848	2
Fagron	Prednicarbate, micron...	15G10-B02-314082	2
Fagron	Prednicarbate, micron...	15J-B04-316799	1
Fagron	Prednicarbate, micron...	10J04-N10	1
Fagron	Prednicarbate, micron...	11D29-N06	1
Fagron	Prednicarbate, micron...	15J22-B04-318930	2
Fagron	Prednicarbate, micron...	11L23-N07	8
Fagron	Prednicarbate, micron...	13g05-n03	1
Fagron	Prednicarbate, micron...	14A27-B02-291256	15
Fagron	Prednicarbate, micron...	15G10-B02	1
Fagron	Prednicarbate, micron...	14A27-B02	1
Fagron	Prednicarbate, micron...	14A27-B02-295797	4
Fagron	Prednicarbate, micron...	14A27-B02-295796	6
Fagron	Prednicarbate, micron...	14A27-B02-291258	2
Fagron	Prednicarbate, micron...	14a27-b02-291256	2
Fagron	Prednicarbate, micron...	8081403	1
Fagron	Prednicarbate, micron...	14B13-B31-291255	1
Fagron	Prednicarbate, micron...	15D15-B03-308161	5
Fagron	Prednicarbate, micron...	14J16-Bo6303465	1
Fagron	Prednicarbate, micron...	14J16B06303466	1
Fagron	Prednicarbate, micron...	14J16-B06-303465	10
Fagron	Prednicarbate, micron...	14J16-B06_303465	1
Fagron	Prednicarbate, micron...	14J16B06	1
Fagron	Prednicarbate, micron...	13I23-N04	6
Fagron	Prednicarbate, micron...	701867-0001	1
Fagron	Prednicarbate, micron...	13c25-no6	1
Fagron	Prednicarbate, micron...	13C25-N06	7
Fagron	Prednicarbate, micron...	13C25-N02	1
Fagron	Prednicarbate, micron...	12H20-No7	1
Fagron	Prednicarbate, micron...	12D27-N04	4
Fagron	Prednicarbate, micron...	12D27-N01	2
Fagron	Prednicarbate, micron...	13F11-N01	3
Fagron	Prednicarbate, micron...	13c25-n06	1
Fagron	Prednicarbate, micron...	12b20-n06	1
Fagron	Prednicarbate, micron...	NT0555M	1
Fagron	Prednicarbate, micron...	3010E-03595	1
Fagron	Prednicarbate, micron...	15D15-B03308161	1
Fagron	Prednicarbate, micron...	13F11-N01	1
Fagron	Prednicarbate, micron...	13F11-No1	2
Fagron	Prednicarbate, micron...	12B20-N06	2
Fagron	Prednicarbate, micron...	9E04-N02	1
Fagron	Prednicarbate, micron...	8L10-N12	1
Fagron	Prednicarbate, micron...	13/23-N04	3
Fagron	Prednicarbate, micron...	7061303	1
Fagron	Prednicarbate, micron...	NT0780M	1
Fagron	Prednicarbate, micron...	NT0555M13I23-N04	1
Fagron	Prednicarbate, micron...	9G14-N06	1
Fagron	Prednicarbate, micron...	11L23N07	1
Fagron	Prednicarbate, micron...	11/22-N18	1
Fagron	Prednisolon dihydroge...	14G30-B09	1
Fagron	Prednisolon dihydroge...	14G30-B09-303014	1
Fagron	Prednisolon dihydroge...	13I27-N01	1
Fagron	Prednisolon dihydroge...	13/27-N01	1

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Supplier	Substance	Batch	Spectra
Fagron	Prednisolon dihydroge...	13C26N06	1
Fagron	Prednisolon dihydroge...	13H19N04	1
Fagron	Prednisolon dihydroge...	12H30-N08	2
Fagron	Prednisolon dihydroge...	11K11-N11	2
Fagron	Prednisolon dihydroge...	11C18-N11	1
Fagron	Prednisolon dihydroge...	13A10-N04	3
Fagron	Prednisolone 1:10 (ri...	12L19-N06	1
Fagron	Prednisolone 1:10 (ri...	12D04-N01	1
Fagron	Prednisolone acetate	12L11-B40-286915	5
Fagron	Prednisolone acetate	115B03-B05-308582	1
Fagron	Prednisolone acetate	12J10-N05	1
Fagron	Prednisolone acetate	13D03-N06	1
Fagron	Prednisolone acetate	13a07n07	1
Fagron	Prednisolone acetate	13K20-B04	2
Fagron	Prednisolone acetate	13K20-B04-289494	2
Fagron	Prednisolone acetate	13K20-B04-289495	2
Fagron	Prednisolone acetate	13K20-B04-293971	1
Fagron	Prednisolone acetate	K07A20130903M	1
Fagron	Prednisolone acetate	12J10/N05	1
Fagron	Prednisolone acetate	15B03-B05-302566	3
Fagron	Prednisolone acetate	12H14-N07	4
Fagron	Prednisolone acetate	12L11-B40-286905	12
Fagron	Prednisolone acetate	12L11-B40	2
Fagron	Prednisolone acetate	15b03-b05-302564	1
Fagron	Prednisolone acetate	15803-B05	1
Fagron	Prednisolone acetate	12k20-b04293971	1
Fagron	Prednisolone acetate	12G25-N05	5
Fagron	Prednisolone acetate	12C19-N03	1
Fagron	Prednisolone acetate	12C19-N03	3
Fagron	Prednisolone acetate	15B03-B05-308582	1
Fagron	Prednisolone acetate	113Q-02106	1
Fagron	Prednisolone acetate	14G30-B13-299293	2
Fagron	Prednisolone acetate	14G30-B13	2
Fagron	Prednisolone acetate	14D04-B03-299295	1
Fagron	Prednisolone acetate	14D04B03299295	1
Fagron	Prednisolone acetate	14D04-B03-299294	2
Fagron	Prednisolone acetate	12L05-N01	10
Fagron	Prednisolone acetate	13K20-B04-293970	2
Fagron	Prednisolone acetate	13A07-N07	8
Fagron	Prednisolone acetate	11L21-N03	3
Fagron	Prednisolone acetate	11I09N-08	1
Fagron	Prednisolone acetate	11A31-N03	1
Fagron	Prednisolone acetate	200540-0013	1
Fagron	Prednisolone acetate	12H14-N07	1
Fagron	Prednisolone hydrogen...	14G29-B07-304733	1
Fagron	Prednisolone, microni...	13A07-N14	1
Fagron	Prednisolone, microni...	11J26-N04	3
Fagron	Prednisolone, microni...	16A20-B03	1
Fagron	Prednisolone, microni...	16A20-B03-316420	1
Fagron	Prednisolone, microni...	16c15-B01-320761	1
Fagron	Prednisolone, microni...	13A07N14	1
Fagron	Prednisolone, microni...	11G22-N08	2
Fagron	Prednisolone, microni...	11D13-N05	1
Fagron	Prednisolone, microni...	13A07-N14	11
Fagron	Prednisolone, microni...	12K14-N03	1
Fagron	Prednisolone, microni...	13E15-N06	1
Fagron	Prednisolone, microni...	13H07-B02-285593	1
Fagron	Prednisolone, microni...	NEPL151202	1
Fagron	Prednisolone, microni...	nep1120802	1
Fagron	Prednisolone, microni...	K04C20121006	1

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Supplier	Substance	Batch	Spectra
Fagron	Prednisolone, microni...	4313E-02105	1
Fagron	Prednisolone, microni...	12K14-N03	11
Fagron	Prednisolone, microni...	12C22-N05	10
Fagron	Prednisolone, microni...	12324202	11
Fagron	Prednisolone, microni...	613Q-02105	1
Fagron	Prednisolone, microni...	12c22-N05	2
Fagron	Prednisolone, microni...	12C22N05	1
Fagron	Prednisolone, microni...	12D30N04	1
Fagron	Prednisolone, microni...	12D30-no4	1
Fagron	Prednisolone, microni...	12D30-N04	1
Fagron	Prednisolone, microni...	13E13-N06	1
Fagron	Prednisolone, microni...	14I10-B03-302266	1
Fagron	Prednisolone, microni...	14i10-b03-302269	1
Fagron	Prednisolone, microni...	14I10-B03-302269	1
Fagron	Prednisolone, microni...	14/10-B03-302265	3
Fagron	Prednisolone, microni...	14 10-B03-302263	1
Fagron	Prednisolone, microni...	14/10-B03	1
Fagron	Prednisolone, microni...	13J28-B06-289670	2
Fagron	Prednisolone, microni...	13J28-B06-289670	1
Fagron	Prednisolone, microni...	13J28-B06	1
Fagron	Prednisolone, microni...	13H07-B02-285593	2
Fagron	Prednisolone, microni...	13H07-B02-285593	1
Fagron	Prednisolone, microni...	14 10-B03-302265	1
Fagron	Prednisolone, microni...	1410-B03-302269	1
Fagron	Prednisolone, microni...	14A30-B02-294968	2
Fagron	Prednisolone, microni...	14B18-B05-294966	1
Fagron	Prednisolone, microni...	14B18-B05-294969	2
Fagron	Prednisolone, microni...	14B18-Bo5-294966	1
Fagron	Prednisolone, microni...	1410-B03	1
Fagron	Prednisolone, microni...	14/10-B03-302269	1
Fagron	Prednisolone, microni...	14G30-B14	1
Fagron	Prednisolone, microni...	14G30-B14-302262	3
Fagron	Prednisolone, microni...	14I10-B03	2
Fagron	Prednisolone, microni...	14/10-B03-302266	2
Fagron	Prednisolone, microni...	13H07-B02-285592	2
Fagron	Prednisolone, microni...	Ch12D30-N04	1
Fagron	Prednisolone, microni...	15D14-B01-308425	2
Fagron	Prednisolone, microni...	13E15-N06	20
Fagron	Prednisolone, microni...	15K03_B04_314226	1
Fagron	Prednisolone, microni...	15K03-B04	1
Fagron	Prednisolone, microni...	15K03-B04-314226	3
Fagron	Prednisolone, microni...	15k03-b04-314226	1
Fagron	Prednisolone, microni...	11g22-n08	1
Fagron	Prednisolone, microni...	15K03-B04-314358	1
Fagron	Prednisolone, microni...	15K03-B04-314869	1
Fagron	Prednisolone, microni...	13E15-N06	2
Fagron	Prednisolone, microni...	13H07-B020	1
Fagron	Prednisolone, microni...	13H07-B02-285590	1
Fagron	Prednisolone, microni...	13H07-B02	1
Fagron	Prednisolone, microni...	13H07-B02-285592	1
Fagron	Prednisone	12E02-N01	1
Fagron	Prednisone	12E02-N10	1
Fagron	Prednisone	13C13-N08	2
Fagron	Prednisone	21021401	1
Fagron	Pregnenolone	14B18-B04-291917	1
Fagron	Prilocaine hydrochlor...	13I032-N03	1
Fagron	Procaine hydrochloride	10H11-N25	1
Fagron	Procaine hydrochloride	12I10-N07	2
Fagron	Procaine hydrochloride	1651212	1
Fagron	Procaine hydrochloride	13F12-B40	1

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Supplier	Substance	Batch	Spectra
Fagron	Procaine hydrochloride	13I09-N08	2
Fagron	Progesterone, microni...	12D05N06	1
Fagron	Progesterone, microni...	15C31-B06	1
Fagron	Progesterone, microni...	12K05-N07	2
Fagron	Progesterone, microni...	12k05-n07	1
Fagron	Progesterone, microni...	14022-B04-293476	1
Fagron	Progesterone, microni...	14K11-B04-300923	1
Fagron	Progesterone, microni...	13/11-N11	1
Fagron	Progesterone, microni...	13A02N01	1
Fagron	Progesterone, microni...	13b08-n01	1
Fagron	Progesterone, microni...	13I11-N11	3
Fagron	Progesterone, microni...	13K-B30-288261	1
Fagron	Progesterone, microni...	14C10B0129347	1
Fagron	Progesterone, microni...	12K05-N01	1
Fagron	Progesterone, microni...	1910213235	1
Fagron	Progesterone, microni...	1-111218	1
Fagron	Progesterone, microni...	HTT140302	1
Fagron	Progesterone, microni...	5013I-03235	1
Fagron	Progesterone, microni...	200650_0007	1
Fagron	Progesterone, microni...	15C31-B06-316105	2
Fagron	Progesterone, microni...	15C31-B06-308796	4
Fagron	Progesterone, microni...	12a19-n04	1
Fagron	Progesterone, microni...	12D05-N06	5
Fagron	Progesterone, microni...	12G05-N17	10
Fagron	Progesterone, microni...	15C31-B06-308439	1
Fagron	Progesterone, microni...	13H01-N03	8
Fagron	Progesterone, microni...	12A19-N04	5
Fagron	Progesterone, microni...	14K11-B04_300921	1
Fagron	Progesterone, microni...	14k11-b04	1
Fagron	Progesterone, microni...	14C10-B01	1
Fagron	Progesterone, microni...	C01-130301	1
Fagron	Progesterone, microni...	14H13-B05-300216	2
Fagron	Progesterone, microni...	14D22-B04	1
Fagron	Progesterone, microni...	14D22-B04-293477	2
Fagron	Progesterone, microni...	14D22-B293479	1
Fagron	Progesterone, microni...	14G01-B06	1
Fagron	Progesterone, microni...	13K28-B30-288262	2
Fagron	Progesterone, microni...	14K11-B04-300922	1
Fagron	Progesterone, microni...	14C10-B01-293478	1
Fagron	Progesterone, microni...	14K11-B04-300920	5
Fagron	Progesterone, microni...	13K28-B30-288263	1
Fagron	Progesterone, microni...	13K28-B30-288261	2
Fagron	Propranolol hydrochlo...	3050PRII	1
Fagron	Propranolol hydrochlo...	9L09-N06	1
Fagron	Propranolol hydrochlo...	3112U-03609	1
Fagron	Propranolol hydrochlo...	28051508	1
Fagron	Propranolol hydrochlo...	15K11-B01-316401	4
Fagron	Propranolol hydrochlo...	15K11-B01	1
Fagron	Propranolol hydrochlo...	15F16-B02-312979	1
Fagron	Propranolol hydrochlo...	15F16B02312979	1
Fagron	Propranolol hydrochlo...	3913M-03609	1
Fagron	Propranolol hydrochlo...	12f29-n06	1
Fagron	Propranolol hydrochlo...	3050PRRII	1
Fagron	Propranolol hydrochlo...	20250711-8	1
Fagron	Propranolol hydrochlo...	12F29-N06	4
Fagron	Propranolol hydrochlo...	11D01-N11	1
Fagron	Propranolol hydrochlo...	402310015	1
Fagron	Propranolol hydrochlo...	12D27-N14	6
Fagron	Propranolol hydrochlo...	12K06N07	1
Fagron	Propranolol hydrochlo...	9CMK6AA71374	1

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Supplier	Substance	Batch	Spectra
Fagron	Propranolol hydrochlo...	12F29-N06	1
Fagron	Propranolol hydrochlo...	12A27-N04	1
Fagron	Propranolol hydrochlo...	4071401	1
Fagron	Propranolol hydrochlo...	11I19-N09	1
Fagron	Propranolol hydrochlo...	31101201	1
Fagron	Propranolol hydrochlo...	13E15-B40	1
Fagron	Propranolol hydrochlo...	13E15_B40-297021	1
Fagron	Propranolol hydrochlo...	13E13-B40-289355	1
Fagron	Propranolol hydrochlo...	12K06-N07	10
Fagron	Propranolol hydrochlo...	1313-N04	2
Fagron	Propranolol hydrochlo...	13I13-N04	8
Fagron	Propranolol hydrochlo...	13E15-B40-294297	3
Fagron	Propranolol hydrochlo...	13113-N04	1
Fagron	Propranolol hydrochlo...	13E15-B40-289355	8
Fagron	Propranolol hydrochlo...	13E15-B40-294297	3
Fagron	Propyl-4-hydroxybenzo...	12B13-N04	1
Fagron	Propyl-4-hydroxybenzo...	610M-01931	1
Fagron	Propyphenazone	13B12-B02-297171	1
Fagron	Pyridoxine hydrochlor...	9I16-N14	1
Fagron	Pyridoxine hydrochlor...	L13080030	1
Fagron	Pyridoxine hydrochlor...	12e02-n02	1
Fagron	Pyridoxine hydrochlor...	11L19-N06	1
Fagron	Quinine hydrochloride	13G10-N07	1
Fagron	Quinine hydrochloride	10N129B	1
Fagron	Quinoline yellow	13C25-N15	2
Fagron	Quinoline yellow	11K08-N01	2
Fagron	Quinoline yellow	100427	1
Fagron	Quinoline yellow	12B08-N08	1
Fagron	Quinoline yellow	12E24-N05	1
Fagron	Quinoline yellow	11F30-N04	1
Fagron	Quinoline yellow	12L11-N07	1
Fagron	Quinoline yellow	9878	1
Fagron	Quinolinol sulfate po...	13G10-N06	1
Fagron	Quinolinol sulfate po...	10F01-N15	1
Fagron	Resocrinol	11L19-N19	5
Fagron	Resocrinol	2112I-02170	1
Fagron	Resocrinol	11A19-N09	1
Fagron	Resocrinol	11/13-no2	1
Fagron	Resocrinol	11/13-N02	3
Fagron	Resocrinol	12/16010	1
Fagron	Resocrinol	14/16062	1
Fagron	Resocrinol	14G10B06	1
Fagron	Resocrinol	14G10-B06	1
Fagron	Resocrinol	14G10-B06-296296	4
Fagron	Resocrinol	14G10-B06-296297	2
Fagron	Resocrinol	14J15-B02-307749	1
Fagron	Resocrinol	15K24-B02-317584	1
Fagron	Resocrinol	13I18-B09-291533	1
Fagron	Resocrinol	12G24-N004	1
Fagron	Resocrinol	12G24-N04	15
Fagron	Resocrinol	12g24-N04	1
Fagron	Resocrinol	12K30-N03	4
Fagron	Resocrinol	13/17071	1
Fagron	Resocrinol	13/18-B09-291534	1
Fagron	Resocrinol	13E24-N10	12
Fagron	Resocrinol	13I18-B09	2
Fagron	Riboflavin	11K02-N01	1
Fagron	Riboflavin	11L29-N01	1
Fagron	Riboflavin	167720-0005	1
Fagron	Riboflavin	167720-0005	1

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Supplier	Substance	Batch	Spectra
Fagron	Riboflavin	15I09-B02-315216	1
Fagron	Riboflavin	15G20-B13-310997	1
Fagron	Riboflavin	14K03-B04-304718	1
Fagron	Riboflavin	12H30-N02	1
Fagron	Riboflavin	12J17-N07	1
Fagron	Riboflavin	14E01-B10-296718	1
Fagron	Riboflavin	14B03-B07-292071	1
Fagron	Riboflavin	14B03-B07-292071	1
Fagron	Riboflavin	12J17-N07	1
Fagron	Riboflavin	13J29-B04-287534	1
Fagron	Riboflavin	6120	1
Fagron	Riboflavin phosphate ...	12k07-N12	1
Fagron	Riboflavin phosphate ...	11K24-N01	1
Fagron	Riboflavin phosphate ...	11G15-N06	2
Fagron	Riboflavin phosphate ...	13126-N06	1
Fagron	Rice starch	12L19-N06	1
Fagron	Rutoside trihydrate	L14050127	1
Fagron	Rutoside trihydrate	13K12-B06	1
Fagron	Saccharin sodium	12E03-N01	1
Fagron	Saccharin sodium	12F19-N039/16	1
Fagron	Saccharin sodium	12K26-N09	1
Fagron	Saccharin sodium	SH203/11	1
Fagron	Saccharin sodium	12 12-N04	1
Fagron	Saccharin sodium	13D19-N01	3
Fagron	Sage leaf, cut	2301A120403	47
Fagron	Salicylic acid	13H01N04	4
Fagron	Salicylic acid	RAS1135100	1
Fagron	Salicylic acid	12C20-N12	8
Fagron	Salicylic acid	12H10-N03	7
Fagron	Salicylic acid	12C20-N04	1
Fagron	Salicylic acid	13K08-B31-290853	5
Fagron	Salicylic acid	11B14-N13	1
Fagron	Salicylic acid	11K10-N01	5
Fagron	Salicylic acid	11L19-N21	3
Fagron	Salicylic acid	13K08-B31-290852	5
Fagron	Salicylic acid	13H01N08	1
Fagron	Salicylic acid	102455-0002	3
Fagron	Salicylic acid	13H01-N01	7
Fagron	Salicylic acid	13B14-N01	19
Fagron	Salicylic acid	xxxxxxxx	1
Fagron	Salicylic acid	RAS1135300	1
Fagron	Salicylic acid	12H10-N08	10
Fagron	Salicylic acid	14B05B30	1
Fagron	Salicylic acid	14B05-B30-290854	5
Fagron	Salicylic acid	14E26-B04	4
Fagron	Salicylic acid	14E26B04	1
Fagron	Salicylic acid	14E26B04294623	1
Fagron	Salicylic acid	14L02-B02-303558	4
Fagron	Salicylic acid	3111Q-01045	1
Fagron	Salicylic acid	14E26-B04-294624	5
Fagron	Salicylic acid	14E26-B04-294623	2
Fagron	Salicylic acid	14L02-B02	3
Fagron	Salicylic acid	14L02-B02-303557	4
Fagron	Salicylic acid	14L02B02303557	1
Fagron	Salicylic acid	14B05-B30	3
Fagron	Salicylic acid	13H01-N04	18
Fagron	Salicylic acid	13H01-N08	2
Fagron	Salicylic acid	14e26-b04-294623	1
Fagron	Salicylic acid	13H01N01	1
Fagron	Salicylic acid	290852	1

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Supplier	Substance	Batch	Spectra
Fagron	Salicylic acid	12H1-N03	1
Fagron	Senna leaf, cut	314Q1514	1
Fagron	Sildenafil citrate	13J15-N01	3
Fagron	Sildenafil citrate	14H11-B01-303183	1
Fagron	Sildenafil citrate	14A08-b04-290225	1
Fagron	Sodium benzoate	12G04-N04	1
Fagron	Sodium benzoate	12H08-N06	1
Fagron	Sodium benzoate	12D02-N06	1
Fagron	Sodium benzoate	12C05-N04	1
Fagron	Sodium benzoate	24011401	1
Fagron	Sodium benzoate	1913A-01981	1
Fagron	Sodium benzoate	13C14-N01	4
Fagron	Sodium benzoate	1250	1
Fagron	Sodium benzoate	test	1
Fagron	Sodium benzoate	1602020-01	1
Fagron	Sodium benzoate	14E12Bo7296717	1
Fagron	Sodium benzoate	13/27-B03-288805	1
Fagron	Sodium benzoate	14E12B07296717	1
Fagron	Sodium benzoate	13/27B03288805	1
Fagron	Sodium benzoate	14E12-B07	1
Fagron	Sodium benzoate	1412	1
Fagron	Sodium benzoate	13127-Bo3-288805	1
Fagron	Sodium benzoate	13J27-B03	1
Fagron	Sodium benzoate	13I27-B03-288806	4
Fagron	Sodium benzoate	13C14-N01	1
Fagron	Sodium benzoate	12H08-N06	1
Fagron	Sodium benzoate	15B16-B07-306571	2
Fagron	Sodium benzoate	13H01-N02	1
Fagron	Sodium benzoate	14E12B07296717	1
Fagron	Sodium citrate	31051202	1
Fagron	Sodium citrate	13E27-N12	1
Fagron	Sodium citrate	13I24-B13-287921	1
Fagron	Sodium citrate	14369402	2
Fagron	Sodium citrate	14A13-B02-3003955	1
Fagron	Sodium citrate	11L05-N01	1
Fagron	Sodium citrate	13A07-N01	1
Fagron	Sodium citrate	13B28-N02	1
Fagron	Sodium citrate	3311E-01900	1
Fagron	Sodium citrate	Probe	1
Fagron	Sodium citrate	14A13_b02_300395	1
Fagron	Sodium citrate	24121301	1
Fagron	Sodium citrate	13I24-B13-287921	1
Fagron	Sodium citrate	13A07-N01	7
Fagron	Sodium citrate	13D09-N01	4
Fagron	Sodium citrate	13/24-B13-287921	1
Fagron	Sodium citrate	13B28-N02	6
Fagron	Sodium citrate	15C27-B01-312231	1
Fagron	Sodium citrate	12E04-N05	2
Fagron	Sodium citrate	12A05-N04	4
Fagron	Sodium citrate	12J26-N02	3
Fagron	Sodium citrate	13A07-N01	1
Fagron	Sodium citrate	12339502	1
Fagron	Sodium citrate	14A13-B02	1
Fagron	Sodium citrate	13/24-B13-287921	1
Fagron	Sodium citrate	14A13-B02-294541	4
Fagron	Sodium citrate	14A13-B02-300395	3
Fagron	Sodium citrate	15C27-B01-309893	2
Fagron	Sodium citrate	712A-01900	1
Fagron	Sodium citrate	15C27-B01-3211097	1
Fagron	Sodium citrate	815Q-01900	1

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Supplier	Substance	Batch	Spectra
Fagron	Sodium citrate	1161207	4
Fagron	Sodium citrate	12I10-N01	1
Fagron	Sodium citrate	1172108	1
Fagron	Sodium citrate	1176767	2
Fagron	Sodium cromoglicate	12D26-N12	1
Fagron	Sodium cromoglicate	13E22-N11	1
Fagron	Sodium cromoglicate	13G24-N04	1
Fagron	Sodium dihydrogen pho...	12L05-N05	1
Fagron	Sodium edetate	601EB174	1
Fagron	Sodium edetate	13E15-No5	1
Fagron	Sodium edetate	13K19-B02-290051	4
Fagron	Sodium edetate	12E12-N04	1
Fagron	Sodium edetate	5012Q-01925	1
Fagron	Sodium edetate	215I-01925	1
Fagron	Sodium edetate	13K19-B02-290052	3
Fagron	Sodium edetate	14G03-B05-307737	1
Fagron	Sodium edetate	14G03B05309971	1
Fagron	Sodium edetate	13K19B02290051	1
Fagron	Sodium edetate	13K19-B02-289035	1
Fagron	Sodium edetate	13K19-B02	1
Fagron	Sodium edetate	13K-19-B02-290051	1
Fagron	Sodium edetate	13I23-N03	1
Fagron	Sodium edetate	14G03-B05	4
Fagron	Sodium edetate	13E15-N05	20
Fagron	Sodium edetate	13E15-B10-289034	1
Fagron	Sodium edetate	14G03-B05-307737	1
Fagron	Sodium edetate	13/23-N03	4
Fagron	Sodium edetate	13K19B02	1
Fagron	Sodium edetate	813Q-01925	1
Fagron	Sodium edetate	13K19-B02	1
Fagron	Sodium edetate	11L13-N02	1
Fagron	Sodium edetate	12E16-N04	2
Fagron	Sodium edetate	12g25-n12	1
Fagron	Sodium edetate	13E15-N05	3
Fagron	Sodium edetate	14G03-B05-30773	1
Fagron	Sodium edetate	601HA062	1
Fagron	Sodium edetate	14G03-B05-309971	1
Fagron	Sodium edetate	15D01-B05-315877	2
Fagron	Sodium edetate	4114Q-01925	1
Fagron	Sodium edetate	5315A-01925	1
Fagron	Sodium edetate	914E-01925	1
Fagron	Sodium edetate	13k19-b02-290051	1
Fagron	Sodium edetate	601HA062	3
Fagron	Sodium edetate	13I23-N03	7
Fagron	Sodium hydrogen carbo...	13D29-N09	5
Fagron	Sodium hydrogen carbo...	13B12-N01	1
Fagron	Sodium hydrogen carbo...	13B18-N03	5
Fagron	Sodium hydrogen carbo...	RBA3421100	6
Fagron	Sodium hydrogen carbo...	RBA3631200	1
Fagron	Sodium hydrogen carbo...	12D11-N02	2
Fagron	Sodium hydrogen carbo...	12D11N02	2
Fagron	Sodium hydrogen carbo...	RBA3651200	2
Fagron	Sodium hydrogen carbo...	12B06-N01	3
Fagron	Sodium hydrogen carbo...	11K25-N05	4
Fagron	Sodium hydrogen carbo...	11e31-n04	1
Fagron	Sodium hydrogen carbo...	11I12-N16	5
Fagron	Sodium hydrogen carbo...	11/12-N16	2
Fagron	Sodium hydrogen carbo...	12D11-No2	1
Fagron	Sodium hydrogen carbo...	RBA1661100	1
Fagron	Sodium hydrogen carbo...	RBA0021100	1

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Supplier	Substance	Batch	Spectra
Fagron	Sodium hydrogen carbo...	4413I01892	1
Fagron	Sodium hydrogen carbo...	13G11-N03	3
Fagron	Sodium hydrogen carbo...	12G11-N03	8
Fagron	Sodium hydroxide pell...	13k22-no5	1
Fagron	Sodium hydroxide pell...	13F06-N02	3
Fagron	Sodium hydroxide pell...	12E02-N15	1
Fagron	Sodium monohydrogenph...	613I-01914	1
Fagron	Sodium monohydrogenph...	13H01-B01	1
Fagron	Sodium monohydrogenph...	13D24-N12	2
Fagron	Sodium monohydrogenph...	12H21-N03	1
Fagron	Sodium monohydrogenph...	11K07-N10	1
Fagron	Sodium monohydrogenph...	1513I-01914	1
Fagron	Sodium monohydrogenph...	2111E-01914	1
Fagron	Sodium monohydrogenph...	B44888A	2
Fagron	Sodium monohydrogenph...	11K30-N01	1
Fagron	Sodium salicylate, po...	13G08-N07	1
Fagron	Sodium salicylate, po...	102091210	1
Fagron	Sodium sulfate decahy...	2134	2
Fagron	Sodium sulfate decahy...	11H01-N06	1
Fagron	Sodium sulfate decahy...	12E30-N09	1
Fagron	Sodium sulfate decahy...	12H31-N04	2
Fagron	Sodium sulfate decahy...	1464	1
Fagron	Sodium tetraborate	12H09-N03	1
Fagron	Sodium thiosulfate pe...	12F20-N10	1
Fagron	Sodium thiosulfate pe...	12F20-N20	1
Fagron	Sodium thiosulfate pe...	14A28-B08-290696	1
Fagron	Sodium thiosulfate pe...	3313U-01922	1
Fagron	Sorbic acid	121394	1
Fagron	Sorbitan stearate	14J07-B02-299399	1
Fagron	Sorbitan stearate	13D10_N10	1
Fagron	Sorbitan stearate	12E30-N14	1
Fagron	Sorbitan stearate	5052	1
Fagron	Sorbitan stearate	13D10-N10	1
Fagron	Sorbitol	12J15-N01	1
Fagron	Sorbitol	12L17-N12	3
Fagron	Sorbitol	13E07-B40	2
Fagron	Sorbitol	13G04-N04	1
Fagron	Sorbitol		2
Fagron	Sorbitol	12E30-N24	5
Fagron	Sorbitol	11I09-N11	1
Fagron	Sorbitol	M721140/12L17-N12	1
Fagron	Sorbitol	13D08-N27	2
Fagron	Sorbitol	14E21-B02	1
Fagron	Spironolactone	12I17-N01	1
Fagron	Spironolactone	12/17-n01	1
Fagron	Spironolactone	13G16-B08	1
Fagron	Spironolactone	13G16-B08-288051	1
Fagron	Spironolactone	12/17-N01	1
Fagron	Spironolactone	2415E-03249	1
Fagron	Spironolactone	14J02-B303621	1
Fagron	Spironolactone	14J02-B02-303621	4
Fagron	Spironolactone	14B20B06294618	1
Fagron	Spironolactone	16A14-B05-317123	1
Fagron	Spironolactone	14B20-B06-294618	4
Fagron	Spironolactone	ELN151105-2	1
Fagron	Spironolactone	13G16-B08-...	1
Fagron	Spironolactone	13G03-N09	1
Fagron	Spironolactone	80616-7	1
Fagron	Spironolactone	12J15-N04	1
Fagron	Spironolactone	10H24-N10	1

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Supplier	Substance	Batch	Spectra
Fagron	Sucrose	11L09-N16	2
Fagron	Sucrose	1011208731	2
Fagron	Sucrose	13D29-N08	1
Fagron	Sucrose	13G04-N01	1
Fagron	Sucrose	12E29-N04	1
Fagron	Sucrose	13G03-N16	1
Fagron	Sucrose	130100R	1
Fagron	Sucrose	5071201	1
Fagron	Sucrose	11/20-N05	1
Fagron	Sucrose	11/16-N01	1
Fagron	Sucrose	11E19-N04	1
Fagron	Sucrose	13J11-N01	1
Fagron	Sucrose	13A07-N03	1
Fagron	Sucrose	11B02-N12	1
Fagron	Sucrose	13K18-B33-288225	1
Fagron	Sucrose	2102308731	1
Fagron	Sucrose	12-E03-M01	1
Fagron	Sucrose	5112I-02207	1
Fagron	Sucrose	11/16-N01	1
Fagron	Sucrose	11I16-N01	1
Fagron	Sucrose	12G26-N01	3
Fagron	Sucrose	13I30-N05	1
Fagron	Sulfanilamide	11L01-No8	1
Fagron	Tannin	12E21-N04	5
Fagron	Tannin	11C09-N05	1
Fagron	Tannin	14J06-B04-0858	1
Fagron	Tannin	13B28-N08	1
Fagron	Tannin	160300069	1
Fagron	Tannin	13H30-B03287645	1
Fagron	Tannin	14J06-B04-299398	1
Fagron	Tannin	14E07-B03-298480	1
Fagron	Tannin	14A07-B01-293468	5
Fagron	Tannin	2212M-01052	1
Fagron	Tannin	12H14N05	1
Fagron	Tannin	12H14-N05	5
Fagron	Tannin	14J06B04299398	1
Fagron	Tannin	1014A-01052	1
Fagron	Tannin	160300029	2
Fagron	Tannin	14e07-b03-298480	1
Fagron	Tannin	14J06-B04	1
Fagron	Tannin	13H30-B03-287645	2
Fagron	Tartaric acid	13125-B01-285488	1
Fagron	Tartaric acid	12F18-No2	1
Fagron	Tartaric acid	12131	2
Fagron	Tartaric acid	11E24-N06	1
Fagron	Tartaric acid	1325-B01-294093	1
Fagron	Tartaric acid	11E24-N060752/764	2
Fagron	Tartaric acid	13/25-B01-285487	1
Fagron	Tartaric acid	13/25-B01-285488	2
Fagron	Tartaric acid	12K16-N02	1
Fagron	Tartaric acid	14186212	1
Fagron	Tartaric acid	1325-B01-285488	1
Fagron	Tartaric acid	13B15-N01	7
Fagron	Tartaric acid	20151112-2	1
Fagron	Tartaric acid	12F18-N02	1
Fagron	Tartaric acid	2414E1053	1
Fagron	Tartaric acid	1106211053	1
Fagron	Tartaric acid	13I25-B01-294093	1
Fagron	Tartaric acid	13I25-B01-285488	1
Fagron	Tartaric acid	2405211053	1

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Supplier	Substance	Batch	Spectra
Fagron	Tartaric acid	13I25-B01-294095	1
Fagron	Tartaric acid	13B15N01	1
Fagron	Tartaric acid	xxxxxxx	1
Fagron	Tartaric acid	12H02-N07	6
Fagron	Tartaric acid	2112I-01053	1
Fagron	Tartaric acid	10024	1
Fagron	Tartaric acid	2513M01053	1
Fagron	Tartaric acid	13I25-B01-294094	2
Fagron	Testosterone	13I26-N08	1
Fagron	Testosterone	GTJ151103	1
Fagron	Testosterone	13G10-N03	1
Fagron	Testosterone	13L09-B03-294148	1
Fagron	Testosterone	11/07-N12	1
Fagron	Testosterone propionate	14A28-B12	1
Fagron	Testosterone propionate	14A28-B12	1
Fagron	Testosterone propionate	6081201	1
Fagron	Testosterone propionate	14A28-B12-291977	1
Fagron	Testosterone propionate	12J10N-08	1
Fagron	Testosterone propionate	12A02-N05	6
Fagron	Testosterone propionate	16E24-B01-322593	2
Fagron	Testosterone propionate	14L31B02-304721	1
Fagron	Testosterone propionate	36513M1	2
Fagron	Testosterone propionate	24411M1	1
Fagron	Testosterone propionate	11G15-N07	1
Fagron	Testosterone propionate	11K18-N04	7
Fagron	Testosterone propionate	14D15-B03-296959	1
Fagron	Testosterone propionate		1
Fagron	Testosterone propionate	13C08N02	1
Fagron	Testosterone propionate	16C24-B04-320784	1
Fagron	Testosterone propionate	1501-B09-312867	1
Fagron	Testosterone propionate	12C01-N01	1
Fagron	Testosterone propionate	14D15-B03-296959	2
Fagron	Testosterone propionate	32012M1	3
Fagron	Testosterone propionate	14L31-B02-304721	4
Fagron	Testosterone propionate	13K25-B05-287647	9
Fagron	Testosterone propionate	14L31-B02	2
Fagron	Testosterone propionate	15D03-B02-310694	1
Fagron	Testosterone propionate	12E04-N01	4
Fagron	Testosterone propionate	12E29-N02	1
Fagron	Testosterone propionate	12J10-N08	5
Fagron	Testosterone propionate	20121012-3	1
Fagron	Testosterone propionate	15K03-B-03-315218	1
Fagron	Testosterone propionate	15k03-b03	1
Fagron	Testosterone propionate	15I01-B09-312867	2
Fagron	Testosterone propionate	13K25-B05-291974	1
Fagron	Testosterone propionate	11G15-N07	1
Fagron	Testosterone propionate	12C01-N01	1
Fagron	Testosterone propionate	13K25B05287648	1
Fagron	Testosterone propionate	13/03-N02	1
Fagron	Testosterone propionate	36814M1	1
Fagron	Testosterone propionate	13C08-N02	17
Fagron	Testosterone propionate	14A28-B12-296960	1
Fagron	Testosterone propionate	12/10-N08	1
Fagron	Testosterone propionate	3613M-02376	1
Fagron	Testosterone propionate	13F05-N04	14
Fagron	Testosterone propionate	11C21-N09	1
Fagron	Testosterone propionate	11/12-N03	1
Fagron	Testosterone propionate	14L31B02304722	1
Fagron	Testosterone propionate	13K25-B05-287648	4
Fagron	Testosterone propionate	14A28-B12-296958	1

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Supplier	Substance	Batch	Spectra
Fagron	Tetracaine base	TC0090913	1
Fagron	Tetracaine base	12F26-N05	2
Fagron	Tetracaine base	5111202	1
Fagron	Tetracaine base	2913Q-07165	1
Fagron	Tetracaine base	14g30-b08-297305	1
Fagron	Tetracaine base	14G30-B08	1
Fagron	Tetracaine base	14G30-B08	1
Fagron	Tetracaine base	14A16-B04-2490207	1
Fagron	Tetracaine base	14G30-B08-297307	1
Fagron	Tetracaine base	12H23-N07	2
Fagron	Tetracaine base	14G30-B08-297305	1
Fagron	Tetracaine base	11G12-N13	4
Fagron	Tetracaine base	TC0090913	1
Fagron	Tetracaine base	12F29-N05	8
Fagron	Tetracaine base	14A16-B04-290209	1
Fagron	Tetracaine base	13D30-N11	2
Fagron	Tetracaine base	11D07-N20	1
Fagron	Tetracaine base	12f29-n05	1
Fagron	Tetracaine base	14A16-B04	1
Fagron	Tetracaine base	11L09-N03	4
Fagron	Tetracaine base	12L19-N10	7
Fagron	Tetracaine base	11L01-N09	1
Fagron	Tetracaine hydrochlor...	12K01-N04	10
Fagron	Tetracaine hydrochlor...	10A29-N12	2
Fagron	Tetracaine hydrochlor...	12H-N05	1
Fagron	Tetracaine hydrochlor...	13H21-B02	2
Fagron	Tetracaine hydrochlor...	15H24-B03-311450	5
Fagron	Tetracaine hydrochlor...	13H21-B02-286558	4
Fagron	Tetracaine hydrochlor...	11/15-N12	4
Fagron	Tetracaine hydrochlor...	3913I-02039	1
Fagron	Tetracaine hydrochlor...	15H24-B03-313594	2
Fagron	Tetracaine hydrochlor...	11I15-N12	1
Fagron	Tetracaine hydrochlor...	13G02-N01	1
Fagron	Tetracaine hydrochlor...	3413U02039	1
Fagron	Tetracaine hydrochlor...	14C18-B03-300199	4
Fagron	Tetracaine hydrochlor...	12H24-N050696/1050	1
Fagron	Tetracaine hydrochlor...	14C18-B03-293966	3
Fagron	Tetracaine hydrochlor...	11C22-N04	1
Fagron	Tetracaine hydrochlor...	11A31-N15	1
Fagron	Tetracaine hydrochlor...	14G14-B08-300198	2
Fagron	Tetracaine hydrochlor...	1418-03-300199	1
Fagron	Tetracaine hydrochlor...	10330837	1
Fagron	Tetracaine hydrochlor...	13K25-B04290276	1
Fagron	Tetracaine hydrochlor...	13k25-b04-290276	1
Fagron	Tetracaine hydrochlor...	13q11-n07	1
Fagron	Tetracaine hydrochlor...	13K25-B04-290278	2
Fagron	Tetracaine hydrochlor...	13K25-B04-290276	5
Fagron	Tetracaine hydrochlor...	14c18d03300199	1
Fagron	Tetracaine hydrochlor...	13K25-B04	2
Fagron	Tetracaine hydrochlor...	212131/221630-0002	1
Fagron	Tetracaine hydrochlor...	10990834	2
Fagron	Tetracaine hydrochlor...	15H24-B03	3
Fagron	Tetracaine hydrochlor...	15A12-B03-308857	5
Fagron	Tetracaine hydrochlor...	4313E-02039	1
Fagron	Tetracaine hydrochlor...	13K25-B04...	1
Fagron	Tetracycline hydrochl...	13J22-N04	1
Fagron	Tetracycline hydrochl...	14H06-B05-311707	1
Fagron	Tetracycline hydrochl...	14H06-B05-303912	3
Fagron	Tetracycline hydrochl...	14H06-B05-303912	1
Fagron	Tetracycline hydrochl...	12E10-N05	1

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Supplier	Substance	Batch	Spectra
Fagron	Tetracycline hydrochl...	14H06-B05	2
Fagron	Tetracycline hydrochl...	13L10-B02-294455	2
Fagron	Tetracycline hydrochl...	14H06-B05-299498	1
Fagron	Tetracycline hydrochl...	13201301	4
Fagron	Tetracycline hydrochl...	12J15-N05	1
Fagron	Thalidomide	14E27-B04-299297	1
Fagron	Thiamine chloride hyd...	190115006	1
Fagron	Thiamine chloride hyd...	13E22-No8	1
Fagron	Thiamine chloride hyd...	10111401	1
Fagron	Thiomersal	12F19-N11	1
Fagron	Thiomersal	13E22-N13	1
Fagron	Thiomersal	12C08-N02	1
Fagron	Thymol	12K01-N02	3
Fagron	Thymol	12M29-N02	1
Fagron	Thymol	12H29-N02	3
Fagron	Thymol	12B06-N11	2
Fagron	Thymol	12E30-N11	1
Fagron	Thymol	713575	1
Fagron	Tobramycin sulfate	13H09-N09	1
Fagron	Tobramycin sulfate	15/17-B04-315697	1
Fagron	Tosylchloramide sodium	11D19-N05	1
Fagron	Tosylchloramide sodium	11L08-N04	1
Fagron	Tosylchloramide sodium	11J07-N06	1
Fagron	Tosylchloramide sodium	12/22-B02-288834	1
Fagron	Tosylchloramide sodium	181970-003	1
Fagron	Tosylchloramide sodium	Ch12H09-N01	2
Fagron	Tosylchloramide sodium	11L08-N04	1
Fagron	Tosylchloramide sodium	14B27-B3-294701	1
Fagron	Tranexamic acid	12D11-N02	1
Fagron	Tranexamic acid	13G24-N21	1
Fagron	Tranexamic acid	15J29-B04-312372	1
Fagron	Tranexamic acid	15J29-B04	1
Fagron	Tretinoin	14D09-B04-295551	1
Fagron	Tretinoin	13D30-N14-3365319091	1
Fagron	Tretinoin	14D09-B04-293594	1
Fagron	Tretinoin	20120601	2
Fagron	Tretinoin	12D05-N08	3
Fagron	Tretinoin	15F01-B06-308722	1
Fagron	Tretinoin	15F01-B06-308856	1
Fagron	Tretinoin	15F01-B06-313216	1
Fagron	Tretinoin	14093505	1
Fagron	Tretinoin	14009-804	1
Fagron	Tretinoin	11K29-N01	2
Fagron	Tretinoin	13C11-N06	1
Fagron	Tretinoin	13B05-B02-287361	2
Fagron	Tretinoin	14D09-B04	3
Fagron	Tretinoin	13D30N14	1
Fagron	Tretinoin	12106-N01	1
Fagron	Tretinoin	14D09-B04-293225	1
Fagron	Tretinoin	13D30-N14	3
Fagron	Triamcinolon, microni...	13C26-N04	2
Fagron	Triamcinolon, microni...	12F01-N19	4
Fagron	Triamcinolon, microni...	12A03-N09	2
Fagron	Triamcinolon, microni...	11G26-N04	1
Fagron	Triamcinolon, microni...	13D30-N15	2
Fagron	Triamcinolon, microni...	12Do2-N14	1
Fagron	Triamcinolon, microni...	11D28-N04	1
Fagron	Triamcinolone acetone...	12B08N01	1
Fagron	Triamcinolone acetone...	15C19-B06-309194	1
Fagron	Triamcinolone acetone...	16B04-B07-318664	1

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Supplier	Substance	Batch	Spectra
Fagron	Triamcinolone acetonide	13K14-B04-289033	1
Fagron	Triamcinolone acetonide	15C19-B06-308573	3
Fagron	Triamcinolone acetonide	11K11-N10	6
Fagron	Triamcinolone acetonide	13121201	1
Fagron	Triamcinolone acetonide	15G31-B07-314045	2
Fagron	Triamcinolone acetonide	13K15-B31-289025	1
Fagron	Triamcinolone acetonide	16B04-B07	1
Fagron	Triamcinolone acetonide	20031302	1
Fagron	Triamcinolone acetonide	411082-1-P	1
Fagron	Triamcinolone acetonide	NS0571M	1
Fagron	Triamcinolone acetonide	13C13-20	1
Fagron	Triamcinolone acetonide	12E15/N03	1
Fagron	Triamcinolone acetonide	14G23-B07-297619	1
Fagron	Triamcinolone acetonide	1210-N09	1
Fagron	Triamcinolone acetonide	13E15N03	2
Fagron	Triamcinolone acetonide	13K14-b04	1
Fagron	Triamcinolone acetonide	13021408	1
Fagron	Triamcinolone acetonide	13K14-B04	4
Fagron	Triamcinolone acetonide	14K24N-N01	1
Fagron	Triamcinolone acetonide	13I26-N11	15
Fagron	Triamcinolone acetonide	13I26N11	1
Fagron	Triamcinolone acetonide	NS0996M	2
Fagron	Triamcinolone acetonide	15B02-B03-303828	3
Fagron	Triamcinolone acetonide	NT1430M	1
Fagron	Triamcinolone acetonide	NT1094M	1
Fagron	Triamcinolone acetonide	15B02-B03-303827	1
Fagron	Triamcinolone acetonide	13E15-No3	1
Fagron	Triamcinolone acetonide	Nw0635M	1
Fagron	Triamcinolone acetonide	C22H25CIN209	1
Fagron	Triamcinolone acetonide	15L21-B03-318663	2
Fagron	Triamcinolone acetonide	13k15-b31-289030	1
Fagron	Triamcinolone acetonide	15B02-B03	3
Fagron	Triamcinolone acetonide	12/10-N09	10
Fagron	Triamcinolone acetonide	15C19-B06-308572	4
Fagron	Triamcinolone acetonide	120600801	1
Fagron	Triamcinolone acetonide	14F30-B01	2
Fagron	Triamcinolone acetonide	13I26-N26	1
Fagron	Triamcinolone acetonide	NS2571M	1
Fagron	Triamcinolone acetonide	12I10-N09	8
Fagron	Triamcinolone acetonide	12B08-N01	7
Fagron	Triamcinolone acetonide	15B02-B03-303830	3
Fagron	Triamcinolone acetonide	13K15B31289031	1
Fagron	Triamcinolone acetonide	14G23-B07-297618	1
Fagron	Triamcinolone acetonide	16011407	1
Fagron	Triamcinolone acetonide	11B22-N05	1
Fagron	Triamcinolone acetonide	14G23-B07-297620	1
Fagron	Triamcinolone acetonide	9041305	1
Fagron	Triamcinolone acetonide	13K15-B31-289027	5
Fagron	Triamcinolone acetonide	14k14-B05-302887	1
Fagron	Triamcinolone acetonide	13K14-B04-289033	9
Fagron	Triamcinolone acetonide	15g31-b07-314046	1
Fagron	Triamcinolone acetonide	5061303	1
Fagron	Triamcinolone acetonide	13C13-N20	4
Fagron	Triamcinolone acetonide	15G31-B07	1
Fagron	Triamcinolone acetonide	12110-N09	2
Fagron	Triamcinolone acetonide	13K15B31289029	1
Fagron	Triamcinolone acetonide	NV0262M	1
Fagron	Triamcinolone acetonide	289027	1
Fagron	Triamcinolone acetonide	13K14-B04-289032	1
Fagron	Triamcinolone acetonide	5061205	1

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Supplier	Substance	Batch	Spectra
Fagron	Triamcinolone acetonide	NV0262M	1
Fagron	Triamcinolone acetonide	5121302	1
Fagron	Triamcinolone acetonide	13c13-n20	1
Fagron	Triamcinolone acetonide	NT077oM	1
Fagron	Triamcinolone acetonide	15G31-B07-313596	3
Fagron	Triamcinolone acetonide	700124-0004	1
Fagron	Triamcinolone acetonide	7041501	1
Fagron	Triamcinolone acetonide	13c13-n20	1
Fagron	Triamcinolone acetonide	13K15-B31-289031	4
Fagron	Triamcinolone acetonide	11101208	1
Fagron	Triamcinolone acetonide	4111408	1
Fagron	Triamcinolone acetonide	13/26-N11	5
Fagron	Triamcinolone acetonide	13K15-B31	8
Fagron	Triamcinolone acetonide	7H30-N03	1
Fagron	Triamcinolone acetonide	15B02-B03-303830	1
Fagron	Triamcinolone acetonide	3212U-02516(NP)	1
Fagron	Triamcinolone acetonide	14F30-B01-296287	1
Fagron	Triamcinolone acetonide	14G23-B07	1
Fagron	Triamcinolone acetonide	14F30B01	1
Fagron	Triamcinolone acetonide	13E15N03	1
Fagron	Triamcinolone acetonide	14K14-B05-302887	1
Fagron	Triamcinolone acetonide	13E15-N03	26
Fagron	Triamcinolone acetonide	15G31B07	1
Fagron	Triamcinolone acetonide	14355709	2
Fagron	Triamcinolone acetonide	14G23-B07-297620	2
Fagron	Triamcinolone acetonide	12E15-N03	1
Fagron	Triamcinolone acetonide	30.06.2017	1
Fagron	Triamcinolone acetonide	12E15-N03	31
Fagron	Triamcinolone acetonide	11N11-N10	1
Fagron	Triamcinolone acetoni...	12I07-N04	1
Fagron	Triamcinolone acetoni...	12107-N04022/359	1
Fagron	Triamcinolone acetoni...	12I07-No4	1
Fagron	Triamcinolone acetoni...	13F20-N010113/150	1
Fagron	Triamcinolone acetoni...	12I07-N04	1
Fagron	Triamcinolone acetoni...	12E23-N01	4
Fagron	Triamcinolone acetoni...	11G14-N02	1
Fagron	Triamcinolone acetoni...	13F21-N01	2
Fagron	Triamcinolone acetoni...	12G23-N06	3
Fagron	Tricalcium phosphate	12I13-N03	1
Fagron	Tricalcium phosphate	12G10-N05	1
Fagron	Trichloroacetic acid	13H22-M04	1
Fagron	Trichloroacetic acid	10379405	1
Fagron	Trichloroacetic acid	13B19-M04	1
Fagron	Triclosan	TCS0214037	2
Fagron	Triclosan	2901313402	1
Fagron	Triclosan	9000383	2
Fagron	Triclosan	17G07-B03-310038	1
Fagron	Triclosan	15C10-B06-3161	1
Fagron	Triclosan	700228-0005	1
Fagron	Triclosan	C12H7C1302	1
Fagron	Triclosan	434083	1
Fagron	Triclosan	2513Q-03402	1
Fagron	Triclosan	1214I03402	1
Fagron	Triclosan	15G07-B03-310038	6
Fagron	Triclosan	15C-B06-312982	1
Fagron	Triclosan	15C10-Bo6-311161	1
Fagron	Triclosan	12G09N09	1
Fagron	Triclosan	15C10B06312983	1
Fagron	Triclosan	15C10-B06-312983	2
Fagron	Triclosan	15C10-B06-312982	9

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Supplier	Substance	Batch	Spectra
Fagron	Triclosan	11H09-N02	11
Fagron	Triclosan	15G07-B03	3
Fagron	Triclosan	15G07B03310037	1
Fagron	Triclosan	15G07-B03-310039	1
Fagron	Triclosan	15G07-B03-310036	1
Fagron	Triclosan	11238004	2
Fagron	Triclosan	15G07-B03-310040	4
Fagron	Triclosan	11A05-N13	1
Fagron	Triclosan	15G07B03310040	1
Fagron	Triclosan	15G07-B03-310035	2
Fagron	Triclosan	15C10-B06-312981	5
Fagron	Triclosan	52/942	1
Fagron	Triclosan	11777748	3
Fagron	Triclosan	106666066	1
Fagron	Triclosan	10666066	1
Fagron	Triclosan	10006226	3
Fagron	Triclosan	15C10-B06-310031	1
Fagron	Triclosan	15C10-B06	4
Fagron	Triclosan	1209213402	1
Fagron	Triclosan	15C10-B06-310032	2
Fagron	Triclosan	15C10-B06-312980	1
Fagron	Triclosan	11L19-N11	7
Fagron	Triclosan	15c10-B06-311161	1
Fagron	Triclosan	12L06-N01	51
Fagron	Triclosan	15C10B06311161	1
Fagron	Triclosan	10J18-N01	2
Fagron	Triclosan	15C10-B06-311161	9
Fagron	Triclosan		1
Fagron	Triclosan	13H09N01	2
Fagron	Triclosan	14F23-B02-295947	2
Fagron	Triclosan	13L18-B35-289983	6
Fagron	Triclosan	14F23-B02-295763	1
Fagron	Triclosan	12G17-n04	1
Fagron	Triclosan	13L18-B35-289	1
Fagron	Triclosan	13A11-N03	1
Fagron	Triclosan	13L18-B35_289995	1
Fagron	Triclosan	13L18-B35	12
Fagron	Triclosan	12g17-n04	6
Fagron	Triclosan	13A11N03	1
Fagron	Triclosan	13L18-35-289995	1
Fagron	Triclosan	14F23-B02-295765	6
Fagron	Triclosan	13L18B35289984	1
Fagron	Triclosan	13/10-N02	1
Fagron	Triclosan	14F23B02295763	1
Fagron	Triclosan	12L06-0003	1
Fagron	Triclosan	14F23-B02-295756	1
Fagron	Triclosan	151010-B06-312984	1
Fagron	Triclosan	14F23-B02-295761	8
Fagron	Triclosan	14F23-B02-295762	1
Fagron	Triclosan	14F23-B02-293852	1
Fagron	Triclosan	14F23-B02-295764	3
Fagron	Triclosan	13L18-B35-289984	5
Fagron	Triclosan	13J10-N02	1
Fagron	Triclosan	12G17N04	2
Fagron	Triclosan	14F-B02-293859	1
Fagron	Triclosan	13H08N10	2
Fagron	Triclosan	13H08-N10	27
Fagron	Triclosan	14F23-B02-300219	6
Fagron	Triclosan	14F23B02300219	1
Fagron	Triclosan	13Do2-No2	2

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Supplier	Substance	Batch	Spectra
Fagron	Triclosan	13D02-N02	1
Fagron	Triclosan	13Do2-N02	1
Fagron	Triclosan	13D02-N0Z	1
Fagron	Triclosan	14F23-B02-2959947	1
Fagron	Triclosan	13H08-N-10	1
Fagron	Triclosan	13H09-N01	1
Fagron	Triclosan	13H09-No1	3
Fagron	Triclosan	13D02N02	1
Fagron	Triclosan	13d02-N02	1
Fagron	Triclosan	12G17-No4	1
Fagron	Triclosan	13D02-N-02	1
Fagron	Triclosan	14F23-B02	4
Fagron	Triclosan	13H08-N100450/1231	1
Fagron	Triclosan	14F23-B02-295948	4
Fagron	Triclosan	13A11-N03	15
Fagron	Triclosan	13a11n03	1
Fagron	Triclosan	13L18-B35-289985	15
Fagron	Triclosan	12G09-N09	8
Fagron	Triclosan	13L18-B35-289988	2
Fagron	Triclosan	12d02-n02	1
Fagron	Triclosan	13L18-B35-289993	4
Fagron	Triclosan	13L18B35-289993	1
Fagron	Triclosan	12C21-n05	1
Fagron	Triclosan	14F23-B02-295760	7
Fagron	Triclosan	13H09-N01	75
Fagron	Triclosan	14F23-B02-295759	6
Fagron	Triclosan	1403217068	1
Fagron	Triclosan	13L18-B35-289995	10
Fagron	Triclosan	13L18-B35-289994	5
Fagron	Triclosan	13L18-B35-289986	8
Fagron	Triclosan	12G17-N04	48
Fagron	Triclosan	13L18B35289987	1
Fagron	Triclosan	14F23-B02-295757	1
Fagron	Triclosan	13L-18-B35-289985	1
Fagron	Triclosan	12G09-no9	1
Fagron	Triclosan	12L06-N01	1
Fagron	Triclosan	14F23-B02-295758	7
Fagron	Triclosan	12G17.N04	1
Fagron	Trometamol	12K14-N05	3
Fagron	Trometamol	12k14no5	1
Fagron	Trometamol	12E25-B40	1
Fagron	Trometamol	13/19-B02	1
Fagron	Trometamol	11H08-N05	1
Fagron	Trometamol	12I27-N03	1
Fagron	Trometamol	12I27-No3	2
Fagron	Trometamol	13119-B02-286158	1
Fagron	Trometamol	8386E050	1
Fagron	Trometamol	13I19-B02	1
Fagron	Trometamol	13E22-N05	7
Fagron	Trometamol	294101	1
Fagron	Trometamol	12k14n05	1
Fagron	Trometamol	13/19-B02-286158	4
Fagron	Trometamol	C4H11N03	1
Fagron	Trometamol	13/19-B02-293595	1
Fagron	Trometamol	12I27-N03	2
Fagron	Trometamol	13C08-N07	3
Fagron	Trometamol	13I19-B02-286158	1
Fagron	Trometamol	286158	1
Fagron	Tropicamide	Ch13L31-B08-289830	1
Fagron	Tropicamide	13A30-N06	1

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Supplier	Substance	Batch	Spectra
Fagron	Tropicamide	12I04-n03	1
Fagron	Tropicamide	12F18-N06	4
Fagron	Tropicamide	12C26-N02	1
Fagron	Tropicamide	Ch12L04-N03	2
Fagron	Tropicamide	14D23B04293294	1
Fagron	Tropicamide	14D23-B04	1
Fagron	Tropicamide	13L-31-B08-292075	1
Fagron	Tropicamide	20021302	1
Fagron	Tropicamide	23071508	1
Fagron	Tropicamide	13L31-B08-289830	1
Fagron	Tropicamide	12B01-N02	1
Fagron	Tyrosine	12H09-N09	1
Fagron	Tyrothricin	13A14-N04	1
Fagron	Ubidecarenone	14H26-B04-298244	1
Fagron	Ubidecarenone	10H19-N-10	1
Fagron	Ubidecarenone	14E12-B06-293861	1
Fagron	Urea	14I18-B03-303576	4
Fagron	Urea	11D-13-M04	1
Fagron	Urea	10E31-N06	1
Fagron	Urea	14I18-B03	1
Fagron	Urea	11C25-N01	1
Fagron	Urea	14I18-B03-0303581	1
Fagron	Urea	2014162937	1
Fagron	Urea	235/12I04-N06	1
Fagron	Urea	18-B03-303581	1
Fagron	Urea	11F24-N16	1
Fagron	Urea	14I18-B03-303581	2
Fagron	Urea	16D22-B02-322532	1
Fagron	Urea	16D22-B02-326481	1
Fagron	Urea	2014376618	1
Fagron	Urea	14E07-B05-289706	1
Fagron	Urea	14E07-B05-293469	6
Fagron	Urea	14E-07-B05-293469	1
Fagron	Urea	14E07B05293469	1
Fagron	Urea	13J17-B02-287602	4
Fagron	Urea	14E07-B05-297165	1
Fagron	Urea	14E07-B05-297167	5
Fagron	Urea	13J17-B02	2
Fagron	Urea	14E07B05	3
Fagron	Urea	13L20-B03-289708	5
Fagron	Urea	13L20B03	1
Fagron	Urea	13J17B02-287604	1
Fagron	Urea	13j17-B02-287604	1
Fagron	Urea	13J17-B02-287604	8
Fagron	Urea	1418-B03-303581	1
Fagron	Urea	1418b03303581	1
Fagron	Urea	1418B03303581	1
Fagron	Urea	14E07-B05	7
Fagron	Urea	13E21-N05	5
Fagron	Urea	14E07-B07-293469	1
Fagron	Urea	13/17-B02-287602	2
Fagron	Urea	12I10-n08	1
Fagron	Urea	12I04-N06	2
Fagron	Urea	12I04-N06	1
Fagron	Urea	1211822	2
Fagron	Urea	14E8900-0001	1
Fagron	Urea	11H01-N08	3
Fagron	Urea	3613M-02544	1
Fagron	Urea	13D03-N01	10
Fagron	Urea	13L20B03289708	1

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Supplier	Substance	Batch	Spectra
Fagron	Urea	13D03-N001	1
Fagron	Uridine	14F02-B09	1
Fagron	Uridine	14F02-B09-305467	2
Fagron	Uridine	16101301	1
Fagron	Uridine	22041301	1
Fagron	Uridine	13K18-B31	4
Fagron	Uridine	721110090	4
Fagron	Uridine	14051405	1
Fagron	Uridine	13D29-N06	1
Fagron	Uridine	13D29-N06	4
Fagron	Uridine	721010040	2
Fagron	Uridine	12091402	1
Fagron	Uridine	11G07-N04	1
Fagron	Uridine	13D08-N26	1
Fagron	Valerian root, cut	12033809	11
Fagron	Valine	121259	1
Fagron	Valine	13B13-N05	1
Fagron	Vanillin	12K07-N19	1
Fagron	Vanillin	232050-0004	1
Fagron	Vanillin	13I01-N07	1
Fagron	Vanillin	13J01-N07	4
Fagron	Vanillin	11G28-N09	1
Fagron	Vanillin	10L22-N17	1
Fagron	Vanillin	14G02-B99-296988	1
Fagron	Vanillin	314Q2548	1
Fagron	Vanillin	8L05-N07	1
Fagron	Wax, bleached	16A28-B10-322948	1
Fagron	Wax, bleached	2155	1
Fagron	Wax, yellow	12K20B05287421	1
Fagron	Wax, yellow	13L02-B01-294114	1
Fagron	Wax, yellow	13804-N04	1
Fagron	Wax, yellow	14336616	6
Fagron	Wax, yellow	13L02-B01-294113	1
Fagron	Wax, yellow	13L02-B01-291452	1
Fagron	Wax, yellow	13B04-N04	2
Fagron	Wax, yellow	12D23-N05	2
Fagron	Wax, yellow	14189920	1
Fagron	Wild pansy, cut		1
Fagron	Xylitol	13H28-N10	1
Fagron	Xylitol	13/23-N06	1
Fagron	Xylitol	13H28N10	1
Fagron	Xylitol	14G04-B04-303524	2
Fagron	Xylometazoline hydroc...	13E06-N11	1
Fagron	Xylometazoline hydroc...	13I09-N02	1
Fagron	Xylometazoline hydroc...	13171203	1
Fagron	Xylometazoline hydroc...	15J06-B99-313751	1
Fagron	Xylometazoline hydroc...	12G31-N01	1
Fagron	Xylometazoline hydroc...	1318-B03-295479	1
Fagron	Xylose	28111405	1
Fagron	Xylose	80414PJK01	1
Fagron	Xylose	14E-B03_300658	1
Fagron	Xylose	13133415	1
Fagron	Xylose	10121401	1
Fagron	Xylose	5031510	1
Fagron	Yarrow herb, cut	3613M-0165	1
Fagron	Zinc gluconate	14J30-B06-300520	1
Fagron	Captopril	14B26-B01-310127	3
falcento	D-galactose	322619PF5	1
Falcento	D-(+)-mannose	R-4641	1
Falcento	D-(+)-mannose	R4640	1

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Supplier	Substance	Batch	Spectra
Falcento	D-(+)-mannose	R-4639	2
Falcento	D-(+)-mannose	R-4638	1
Falcento	D-galactose	2223PF4	3
Falcento	D-galactose	1223PF4	3
Falcento	D-galactose	222PF4	1
Falcento	D-galactose	122PF4	1
Falcento	D-galactose	5223PF4	3
Falcento	D-galactose	13223PF4	1
Falcento	D-galactose	48223PF2	1
Falcento	D-galactose	10440003	2
Falcento	D-galactose	2014	1
Falcento	D-ribose	201209702	1
Falcento	D-ribose	201206712	2
Falcento	D-ribose	JXCZSJ14-D-010	1
Falcento	Xylose	2013051801	1
Farchemia S.R.L./ Cae...	Metronidazole	15253032	1
Farchemia Srl/Sanacorp	Metronidazole	146010-01	1
Fargo	Prednisolone acetate	12025-N05	1
fargon	Atropine sulfate	13K01-N01	1
fargon	Estriol	12a26-n02	1
fargon	Fructose	13C25-N03	5
fargon	Magnesium sulfate hep...	12E22-N02	4
fargon	Progesterone, microni...	8577420	1
fargon	Triamcinolone acetoneide	13C13-N20	18
Fargon	Arginine	121429	1
Fargon	Betamethasone valerate	13k29-b32-289364	1
Fargon	Bifonazole	14k10-b01-300541	1
Fargon	Bismuth gallath, basic	13/18-B13-294108	1
Fargon	Caffeine citrate	12J05-N06	4
Fargon	Caffeine citrate	11F21-N05	1
Fargon	Ciclosporin	13D26-No7	1
Fargon	Citric acid, anhydrous	12B01-NN01	1
Fargon	Clindamycin hydrochlo...	11L20-No5	1
Fargon	Eosin yellowish	14H28-M09	3
Fargon	Ethacridine lactate m...	11D07-N03	1
Fargon	Glucose monohydrate	13C25-N09	8
Fargon	Hard fat in pastilles	41319264	1
Fargon	Heavy alkaline bismut...	11C10-N06	1
Fargon	Hydromorphone hydroch...	13L27-N05	1
Fargon	L-leucine	8160410903	1
Fargon	L-threonine	2114720407	1
Fargon	Metronidazole	14c14-b02-291238	1
Fargon	Metronidazole	13D08-N22	8
Fargon	Metronidazole	1101017-01	1
Fargon	Mometasone furoate, m...	14h06-b07-298481	1
Fargon	Prednisolone, microni...	FP01409P	1
Fargon	Propyphenazone	11H31-N07	1
Fargon	Resocrinol	11D29-2011	1
Fargon	Saccharin sodium	12A13-N03	1
Fargon	Triamcinolone acetoneide	13K15-B31-289030	1
Fargon	Triclosan	12C21-N05	2
Fargon	Triclosan	4394403	1
Fargon	Urea	14e07-b05-297165	1
FARGON	Aluminium chloride he...	13d22-n09	1
FARGON	Benzydamine hydrochlo...	13h19-n06	1
FARGON	Betamethasone valerate	12L11-n01	1
FARGON	Betamethasone valerate	12b28-n01	1
FARGON	Betamethasone valerate	12g09-n07	3
FARGON	Chloral hydrate	10i14-n10	1
FARGON	Chloral hydrate	nachprüfung	1

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Supplier	Substance	Batch	Spectra
FARGON	Chloramphenicol	13a11-n02	1
FARGON	Clotrimazole	11112-n10	1
FARGON	Clotrimazole	12i21-n04	1
FARGON	Clotrimazole	12121-n04	2
FARGON	Glucose monohydrate	13b01-n03	1
FARGON	Hydrocortisone acetate	12k15-n04	1
FARGON	Isosorbide dinitrate ...	11f20-n05	1
FARGON	Menthol	12c05-n03	1
FARGON	Mometasone furoate, m...	13d08-n06	1
FARGON	Prednisolone acetate	12105-n01	1
FARGON	Prednisolone acetate	12g25-n05	1
FARGON	Prednisolone, microni...	12c22-n05	1
FARGON	Progesterone, microni...	10a21-n18	1
FARGON	Progesterone, microni...	13/11-n11	1
FARGON	Progesterone, microni...	nachprüfung	1
FARGON	Tretinoin	11a27-n01	1
Fargon/ Noweda	Chloral hydrate	13F06N07	1
Fargon/17.07.2013/Now...	Triamcinolone acetoni...	12 07-N04	1
Fargon/Kehr	Fluocinolonacetamid, ...	14L-19-B04	1
Fargon/Noweda	Fluocinolonacetamid, ...	13L13-B35	1
Fargon/Phönix	Bacitracin	15C12-B06-312975	1
Fargon/Sana	Benzocaine	11K08-290049	1
Fargon/Sanacorp	Calcium lactate penta...	14H01-B05	1
Fargon/Sanacorp	Captopril	14B26-B40-318894	1
Fargon/Sanacorp	Citric acid, anhydrous	30.06.2016	1
Fargon/Sanacorp	Eosin yellowish	13/11-No3	1
Fargon/Sanacorp	Mannitole	16B24-B09-320013	1
fargron	Hydrocortisone	13K22-B01-288284	2
fargron	Vanillin	13/01-N07	1
Fargron	Metronidazole	13D08-n22	1
Farmalabor / Farmalabor	Calcium ascorbate	P1104931-000A	1
Farmalabor / Farmalabor	Melatonin	P1201556-000	1
Farmalabor / Farmalabor	Salicylic acid	P1404195-002	1
Fgron	Caffeine citrate	2013Q-01282	1
Fiebig	Aluminium chloride he...	11J06-N03	1
Fiebig	Betamethasone, micron...	12J01-120301-m1	1
Fiebig	Chlorhexidine diacetate	12C19-N02	1
Fiebig	Dandelion herb with r...	11003313	1
Fiebig	Mistletoe, cut	10273406	1
Fiebig	Prednisolone acetate	11158001	1
Fiebig	White deadnettle herb...	11371710	3
Fiebig	Zinc acetate dihydrate	211172/2	1
Fiebig 04.7.13 EK 4,54	Lidocaine hydrochloride	12135511	4
Fiebig 05.11.12 ek:9...	Bilberry fruit, dried	2910A120410	2
Fiebig 14.02.13 ek:3...	Melilot herb, cut	12231701	3
Fiebig 27.06.13 EK47,81	Betamethasone valerate	B9/131	1
Fiebig ek: 36.06EUR 31...	Minoxidil	111202403	1
Finze	Calcium gluconate	917857359	1
Finze	Centaury, cut	11097610	3
Finze	Cetyl alcohol	10321703	1
Finze	Diphenhydramine hydro...	9F05-N04	3
Finze	Elder flower, rubbed	9297415	3
Finze	Equisetum stem, cut	11076305	10
Finze	Estradiol benzoate	1003040-01	2
Finze	Ethacridine lactate m...	90601	1
Finze	Knotgrass, cut	10237202	1
Finze	Lycopodium herb, cut	9378803	1
Finze	Male speedwell wort, ...	4661B080915	1
Finze	Male speedwell wort, ...	4661B110121	2
Finze	Matricaria flower	1290B101122	1

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Supplier	Substance	Batch	Spectra
Finze	Sodium hydrogen carbo...	Pr.Nr.4311Q-01892	1
Finze	St. John's wort, cut	9297303	1
Finze	Testosterone propionate	10366002	1
Finze	Tetracaine hydrochlor...	2906009-02	1
Finze	Thiamine chloride hyd...	9216114	1
Finze	Urea	1264	1
Finze	Wax, yellow	10145002	1
Finze	Wild thyme, cut	11031204	1
fischar	Sodium hydrogen carbo...	6522101	5
Fischar	Citric acid, anhydrous	6493071	2
Fischar	Copper (II) sulfate p...	9452011	1
Fischar	Sodium hydrogen carbo...	6521111	9
Fischar	Tartaric acid	704061	1
Fischar/Gehe	Estriol	14H29-B02-298072	3
Fischar/Gehe	Prednisolone, microni...	14A30-B02-294968	1
Fischar/Phönix	Tartaric acid	704021	2
Fischer/Gehe	Carbomer 35000 / 50000	1410001-02	2
Fischer/Gehe	Metronidazole	15A20-B07-308525	2
fishar	Citric acid, anhydrous	6494061	1
fragon	Beclometasone dipropi...	700721-0004	1
fragon	Iodoform	12283303	3
fragon	Sodium sulfate decahy...		1
Fragon	Lactose monohydrate	10706040	1
Fragon	Progesterone, microni...	13A02-N02	1
fragon/AHD	Propranolol hydrochlo...	13/13-N04	7
Fragon	Prednicarbate, micron...	NV0485M	1
Fragon	Prednisolone acetate	K07A20131101M	1
FRagon	Finasteride (form III)	13I03-N01	2
Frey+Lau GmbH/Phönix	Thymol	1312022-01	3
Fujian Fukang Pharmac...	Gentamicin sulfate	12G04-N16	1
Gahlke	Aniseed, pounded	21401	1
Gahlke	Sorrel herb, cut	21479	1
Gahlke	Sweet woodruff herb, ...	22100	1
Galderma	Testosterone propionate	15K03-B03-315218	3
galke	Matricaria flower	18471	6
galke	Melissa leaf, cut	20867	1
galke	Nettle leaf, cut	21639	1
galke	Yellow chaste weed, cut	nachprüfung	1
Galke	Agrimony, cut	2002	1
Galke	Alchemilla, cut	22291	1
Galke	Alchemilla, cut	19835	1
Galke	Alchemilla, cut	21141	1
Galke	Bean shells, cut	21219	1
Galke	Bearberry leaf, cut	19936	3
Galke	Birch leaf, cut	21226	1
Galke	Birch leaf, cut	20904	1
Galke	Boldo leaf, cut	19855	1
Galke	Burdock root, cut	19802	1
Galke	Camphor	23624	1
Galke	Centaury, cut	9721	1
Galke	Common broom herb, cut	12358803	4
Galke	Common broom herb, cut	21610	1
Galke	Common wormwood herb,...	21637	1
Galke	Couch grass rhizome, ...	18781	1
Galke	Dandelion herb with r...	22093	2
Galke	Dandelion herb with r...	20531	6
Galke	Devil's claw root	20282	2
Galke	Devil's claw root	21018	2
Galke	Elder flower, rubbed	21934	1
Galke	Elecampane rhizome, cut	21569	2

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Supplier	Substance	Batch	Spectra
Galke	Equisetum stem, cut	19663	3
Galke	Equisetum stem, cut	22061	1
Galke	Euphrasy herb, cut	20262	2
Galke	Gentian root, cut	19192	2
Galke	Geum urbanum herb, cut	20881	1
Galke	Ginger, peeled	20633	1
Galke	Ginger, peeled	21766	2
Galke	Goat's rue, cut	8378	2
Galke	Hawthorn leaf with fl...	21126	3
Galke	Hay flower	21926	1
Galke	Hop strobile	20928	2
Galke	Hop strobile	20928	3
Galke	Hop strobile	23363	1
Galke	Horse chestnut flower...	2614	1
Galke	Hyssop herb, cut	20939	1
Galke	Ladys bedstraw herb,...	21942	2
Galke	Lavender flower	21416	2
Galke	Lemon peel, cut	22975	1
Galke	Lungwort herb, cut	19511	4
Galke	Lycopodium herb, cut	16913	2
Galke	Mallow flower, cut	21119	1
Galke	Mallow leaf, cut	21445	1
Galke	Mallow leaf, cut	17133	1
Galke	Mallow leaf, cut	21454	1
Galke	Marian thistle fruit	22187	4
Galke	Marjoram herb, rubbed	22401	1
Galke	Marjoram herb, rubbed	23241	1
Galke	Masterwort root, cut	23074	1
Galke	Masterwort root, cut	18411	1
Galke	Maté leaf, cut	22365	1
Galke	Matricaria flower	18803	1
Galke	Matricaria flower	21652	1
Galke	Meadowsweet herb, cut	20358	1
Galke	Mistletoe, cut	20328	1
Galke	Mistletoe, cut	22012	2
Galke	Nettle leaf, cut	21238	1
Galke	Nettle leaf, cut	20956	1
Galke	Nettle leaf, cut	23302	1
Galke	Orris root	21303	1
Galke	Peppermint leaf, cut	20975	3
Galke	Peppermint leaf, cut	22218	1
Galke	Peppermint leaf, cut	22783	3
Galke	Primrose flower	22612	2
Galke	Raspberry leaf, cut	18060	2
Galke	Raspberry leaf, cut	23532	1
Galke	Raspberry leaf, cut	19499	2
Galke	Raspberry leaf, cut	21244	1
Galke	Red clover flower	23128	2
Galke	Red-Rose petal	22641	2
Galke	Ribwort plantain, cut	20259	1
Galke	Ribwort plantain, cut	20832	1
Galke	Ribwort plantain, cut	21598	1
Galke	Sage leaf, cut	21015	3
Galke	Sanicle herb, cut	23097	1
Galke	Senna leaf, cut	21778	1
Galke	Shepherd's purse, cut	21719	2
Galke	Shepherd's purse, cut	19483	1
Galke	Silverweed, cut	12891	2
Galke	St. John's wort, cut	21990	4
Galke	St. John's wort, cut	23054	1

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Supplier	Substance	Batch	Spectra
Galke	St. John's wort, cut	21034	1
Galke	St. John's wort, cut	21556	1
Galke	Tall golden rod, cut	21079	2
Galke	Thyme, rubbed	19386	2
Galke	Thyme, rubbed	20719	2
Galke	Thyme, rubbed	28719	1
Galke	Thyme, rubbed	1833	1
Galke	Valerian root, cut	21798	2
Galke	Valerian root, cut	22070	1
Galke	White deadnettle flower	22704	1
Galke	White deadnettle flower	21691	4
Galke	White deadnettle herb...	22253	2
Galke	White deadnettle herb...	19706	1
Galke	Willow bark, cut	20338	1
Galke	Willowherb, small flo...	47502	1
Galke	Willowherb, small flo...	22347	3
Galke	Wormwood herb, cut	21330	1
Galke	Yarrow herb, cut	22048	7
Galke	Yarrow herb, cut	23318	1
Galke	Yarrow herb, cut	23735	1
Galke	Yarrow herb, cut	21295	2
galke,	Calendula flower	12028	1
galke,	Lime flower, cut	2098	1
Gall Pharma / Phoenix	Taurine	179.66	1
Gatt Koller	Fructose	1544/05141914	1
Gatt Koller/Herba	Amphetamine sulfate	942/03130814	1
Gatt-Koller	Betaine hydrochloride	2970/07102910	1
Gatt-Koller	Lactose monohydrate	5580/12120813	2
Gatt-Koller	Nicotinamide	221406112411	1
Gatt-Koller	Nicotinamide	4456/10104110	1
Gatt-Koller	Quinine hydrochloride	3500/08103810	1
Gatt-Koller	Sodium citrate	1073/04121412	1
Gatt-Koller / Phoenix	Benzoic acid	2992/07131314	2
Gatt-Koller / Phoenix	Caffeine	5898/12135213	1
Gatt-Koller / Phoenix	Caffeine	5898/12135213	1
Gatt-Koller / Phoenix	Calcium gluconate	550/03141214	1
Gatt-Koller / Phoenix	Calcium pantothenate	3783/09112912	1
Gatt-Koller / Phoenix	Chloramphenicol	5615/12115211	1
Gatt-Koller / Phoenix	Ephedrine hydrochloride	18502141114	1
Gatt-Koller / Phoenix	Fructose	3156/0813	1
Gatt-Koller / Phoenix	Hypromellose 4000	14C05-B03-291647	2
Gatt-Koller / Phoenix	Procaine hydrochloride	4428/10122714	2
Gatt-Koller / Phoenix	Propyphenazone	419/02123112	1
Gatt-Koller / Phoenix	Quinine sulfate dihyd...	4928/11132214	1
Gatt-Koller / Phoenix	Quinine sulfate dihyd...	2503/07143314	1
Gatt-Koller / Phoenix	Sodium tetraborate	6187/01142114	1
Gatt-Koller / Phoenix	Sorbic acid	2575/07142914	1
Gatt-Koller / Phoenix	Sorbitol	1718/0513	1
Gatt-Koller / Phoenix	Sorbitol	1718/05134013	1
Gatt-Koller / Phoenix	Tannin	333508134613	2
Gatt-Koller / Phoenix	Tannin	3335/08134613	1
Gatt-Koller / Phoenix	Tartaric acid	3334/08131514	1
Gatt-Koller / Phoenix	Tetracaine hydrochlor...	80/02140614	2
Gatt-Koller/Kwizda	Calcium glycerophosph...	4007/09123812	1
GATT-KOLLER/PHOENIX	Ephedrine hydrochloride	915/03141314	2
GATT-KOLLER/PHOENIX	Glucose monohydrate	243/02141714	1
GATT-KOLLER/PHOENIX	Glucose monohydrate	243/02142614	1
GATT-KOLLER/PHOENIX	Methyl-4-hydroxybenzo...	6112/01142814	1
GATT-KOLLER/PHOENIX	Papaverine hydrochlor...	2927/07131314	1
GATT-KOLLER/PHOENIX	Propyl-4-hydroxybenzo...	5080/11130214	1

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Supplier	Substance	Batch	Spectra
GATT-KOLLER/PHOENIX	Sodium salicylate, po...	4853/11124512	1
gebepharma	Sodium monohydrogenph...	20160909-2	1
geh 30.08.13	Metronidazole	121203001	2
gehe	Glucose monohydrate	1401019-02	3
gehe	Hydroxyethylcellulose...	13378507	10
gehe	Melatonin	13167301	1
gehe	Tetracaine hydrochlor...	1303012	1
gehe	Tetracaine hydrochlor...	12C22-N04	8
gehe	Tretinoin	11225511	2
Gehe	3,4-diaminopyridine	13F07-N07	1
Gehe	Acetylsalicylic acid	10365302	1
Gehe	Acorus root, peeled	6701B130807	9
Gehe	Alchemilla, cut	1341102	1
Gehe	Aluminium chloride he...	1204026-01	28
Gehe	Aluminium chloride he...	12/27-n01	2
Gehe	Aluminium chloride he...	12/27-No1	1
Gehe	Aluminium chloride he...	12114902	5
Gehe	Aluminium chloride he...	130701102	1
Gehe	Aniseed, pounded	13149903	1
Gehe	Atropine sulfate	16326802	1
Gehe	Betamethasone valerate	1712E-01181	1
Gehe	Betamethasone valerate	12003409	7
Gehe	Betamethasone-17-vale...	12C19-N07	3
Gehe	Betamethasone-17-vale...	12G02-N02	4
Gehe	Betony herb, cut	12007201	2
Gehe	Birch leaf, cut	264603	2
Gehe	Blackberry leaf, cut	10136409	2
Gehe	Caffeine citrate	13B08-N02	3
Gehe	Calcium hydroxide	12F08-N02	3
Gehe	Calcium pantothenate	1004024-01	1
Gehe	Calendula flower	13235502	2
Gehe	Calendula flower, cut	266676	1
Gehe	Calendula flower, cut	260205	1
Gehe	Camphor	10L08-N06	1
Gehe	Cetyl palmitate 15	8209646	1
Gehe	Cetyl palmitate 15	11216007	1
Gehe	Chicory herb, cut	10325608	1
Gehe	Chloramphenicol	1107002-02	5
Gehe	Chlortetracycline hyd...	16B10-B09	1
Gehe	Ciclopirox olamine	14E21-M04	1
Gehe	Citric acid, anhydrous	11C24-N03	11
Gehe	Citric acid, anhydrous	11F29-N03	3
Gehe	Citric acid, anhydrous	12B01-N0104657/	1
Gehe	Clindamycin hydrochlo...	11K04-N12	1
Gehe	Clindamycin hydrochlo...	11E12-N02	1
Gehe	Clindamycin hydrochlo...	13a22-n01	1
Gehe	Clindamycin hydrochlo...	700168-0002	1
Gehe	Clioquinol	1102022-01	3
Gehe	Clobetasol propionate	12342310	10
Gehe	Clobetasol propionate	10D21-N04	1
Gehe	Clobetasol-17-propion...	1109D005	1
Gehe	Clobetasol-17-propion...	12/19-N01	2
Gehe	Clotrimazole	11K21-N19	5
Gehe	Clotrimazole	121003902	1
Gehe	Clotrimazole	14C04-B31-294952	2
Gehe	Codeine phosphate hem...	15350710	1
Gehe	Coltsfoot leaf, cut	269261	2
Gehe	Couch grass rhizome, ...	283061	1
Gehe	Couch grass rhizome, ...	12186704	1
Gehe	Dandelion herb with r...	6611B120620	29

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Supplier	Substance	Batch	Spectra
Gehe	Dandelion herb with r...	13019803	1
Gehe	Dandelion herb with r...	266855	1
Gehe	Dandelion herb with r...	6611B110104	1
Gehe	Dandelion herb withou...	4591C111010	2
Gehe	Deoxycholic acid	2012060253	1
Gehe	Devil's claw root	1114005	1
Gehe	Dexamethasone	13D12-N09	5
Gehe	Dexamethasone 1:10 (r...	12E30-N16	1
Gehe	Diclofenac sodium	1206026-01	9
Gehe	Diltiazem hydrochloride	12133009	9
Gehe	Diltiazem hydrochloride	15414319	3
Gehe	Diltiazem hydrochloride	11134117	9
Gehe	Equisetum stem, cut	12288803	14
Gehe	Equisetum stem, cut	10375515	1
Gehe	Erythromycin	11195412	2
Gehe	Erythromycin	13189004	4
Gehe	Estradiol hemihydrate	82404160	1
Gehe	Fenugreek	13013811	2
Gehe	Frangula bark, cut	11254003	2
Gehe	Frangula bark, cut	11254006	6
Gehe	Frangula bark, cut	11254004	7
Gehe	Fructose	11/07-N08	1
Gehe	Fructose	14E01-B04-293506	4
Gehe	Fructose	12E29-N08	8
Gehe	Fructose	12B02-N07	1
Gehe	Fructose	K43298821	3
Gehe	Fumitory, cut	13202907	1
Gehe	Galeopsis herb, cut	3911A130320	6
Gehe	Gentamicin sulfate	1205021-02	20
Gehe	Glucose monohydrate	14102419	2
Gehe	Glucose monohydrate	13157026	5
Gehe	Glucose monohydrate	130503002	1
Gehe	Glucose, anhydrous	14033901	1
Gehe	Glucose, anhydrous	16157403	4
Gehe	Glycerol monostearate...	14240605	2
Gehe	Hard fat in pastilles	13243403	8
Gehe	Hawthorn leaf with fl...	1351B111207	2
Gehe	Horse chestnut leaf, ...	2551B131024	1
Gehe	Hydrochlorothiazide	12E04-N02	2
Gehe	Hydrocortisone	13H08-B01-285469	1
Gehe	Hydrocortisone acetate	14043905	6
Gehe	Hydrocortisone acetate	HC0024	1
Gehe	Hydrocortisone acetate	11098607	1
Gehe	Hydrocortisone acetate	1233015	1
Gehe	Hydroquinone	12156706	3
Gehe	Hydroxyethylcellulose...	12156908	4
Gehe	Hydroxyethylcellulose...	12369718	1
Gehe	Hydroxyethylcellulose...	13A18-N01	6
Gehe	Hydroxyethylcellulose...	111002404	1
Gehe	Hypromellose 4000	11D15-N06	1
Gehe	Isosorbide dinitrate ...	11D12-N01	6
Gehe	Ivy leaf, cut	11229501	1
Gehe	Ketoconazole	11070019	1
Gehe	Lactose monohydrate	14140306	3
Gehe	Lactose monohydrate	1112020-02	11
Gehe	Lactose monohydrate	11120220-01	1
Gehe	Lactose monohydrate	1106022-02	3
Gehe	Lidocaine hydrochloride	12C05-N02	4
Gehe	Liquorice root, peeled	268835	2
Gehe	Liquorice root, natur...	277004	2

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Supplier	Substance	Batch	Spectra
Gehe	Liquorice root, natur...	283316	1
Gehe	Lycopodium herb, cut	521103845	1
Gehe	Macrogol 1500	14072409	1
Gehe	Macrogol 4000	1219-N13	1
Gehe	Magnesium (hydrogen) ...	12368014	4
Gehe	Mallow leaf, cut	10290512	2
Gehe	Mannitole	12J26-N15	3
Gehe	Mannitole	13E24-N01	1
Gehe	Mannitole	12E24-N08	2
Gehe	Mannitole	110009-02	1
Gehe	Marjoram herb, rubbed	4881A100929	4
Gehe	Marshmallow root, pee...	6071A120306	1
Gehe	Matricaria flower	281103	4
Gehe	Matricaria flower	270579	1
Gehe	Matricaria flower	12133009	1
Gehe	Matricaria flower	11255204	1
Gehe	Matricaria flower	265419	4
Gehe	Matricaria flower	276095	10
Gehe	Matricaria flower	268408	2
Gehe	Matricaria flower	12337605	1
Gehe	Melatonin	11L21-N04	1
Gehe	Melatonin	12G19-N03	4
Gehe	Melatonin	13E22-N12	2
Gehe	Melatonin	11/26-N07	1
Gehe	Melilot herb, cut	110324	1
Gehe	Menthol	16095602	1
Gehe	Methyl-4-hydroxybenzo...	11090020	1
Gehe	Metronidazole	10368318	2
Gehe	Miconazole nitrate	14149301	13
Gehe	Miconazole nitrate	11104114	2
Gehe	Minoxidil	AP006/13M	2
Gehe	Motherwort herb, cut	12231502	2
Gehe	Neomycin sulfate	183360-0009	1
Gehe	Neomycin sulfate	194A-01926	1
Gehe	Neostigmine bromide	12172301	2
Gehe	Neostigmine bromide	13177201	1
Gehe	Neostigmine bromide	12172307	1
Gehe	Nettle leaf, cut	10162701	1
Gehe	Nettle root, cut	6631B120927	14
Gehe	Oxytetracycline hydro...	11336507	2
Gehe	Oxytetracycline hydro...	12g10-n04	1
Gehe	Parsley herb, rubbed	10269905	1
Gehe	Peppermint leaf, cut	2181B130717A	1
Gehe	Peppermint leaf, cut	2181B130717B	1
Gehe	Peppermint leaf, cut	2161A121029	16
Gehe	Pilocarpine hydrochlo...	15198610	1
Gehe	Potassium hydrogen ta...	11345808	1
Gehe	Prednicarbate, micron...	12B14-N02	3
Gehe	Prednicarbate, micron...	13G05-n03	1
Gehe	Prednicarbate, micron...	13123-N04	2
Gehe	Prednisolone, microni...	13343107	2
Gehe	Prednisolone, microni...	13E15-No6	1
Gehe	Prednisolone, microni...	12324219	13
Gehe	Prednisone	12232714	1
Gehe	Prednisone	12L14-M03	1
Gehe	Primrose flower	11374401	1
Gehe	Procaine hydrochloride	10159730	1
Gehe	Progesterone, microni...	1111053-01	14
Gehe	Propranolol hydrochlo...	j051201.1	1
Gehe	Quinolinol sulfate po...	10281609	1

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Supplier	Substance	Batch	Spectra
Gehe	Resocrinol	11L13-N02	1
Gehe	Resocrinol	12G-24-N04	1
Gehe	Rhubarb, cut	13235208	2
Gehe	Rhubarb, cut	11057817	6
Gehe	Rose hips with peel, ...	2840A120719	1
Gehe	Rue herb, cut	12148802	1
Gehe	Sage leaf, cut	269030	6
Gehe	Sage leaf, cut	265630	4
Gehe	Sage leaf, cut	277580	7
Gehe	Sage leaf, cut	275598	5
Gehe	Salicylic acid	1406027-01	6
Gehe	Salicylic acid	11D15-N08	1
Gehe	Shepherd's purse, cut	11036410	2
Gehe	Sildenafil citrate	13F24-N03	1
Gehe	Silverweed, cut	11328101	1
Gehe	Sodium acetate trihyd...	13411412	3
Gehe	Sodium dodecyl sulfate	14127404	1
Gehe	Sodium hydrogen carbo...	11078315	1
Gehe	Sodium monohydrogenph...	12109001	2
Gehe	Sorbitol	1404007-01	4
Gehe	Spironolactone	12049105	3
Gehe	Spironolactone	11B07-N06	2
Gehe	Spironolactone	13D12-N08	2
Gehe	St. John's wort, cut	9297305	1
Gehe	St. John's wort, cut	259604	1
Gehe	St. John's wort, cut	11185602	1
Gehe	Sulfacetamide	1112032-01	7
Gehe	Tall golden rod, cut	11207011	2
Gehe	Tartaric acid	7284696	1
Gehe	Tartaric acid	1325-B01-285487	1
Gehe	Tartaric acid	703061	1
Gehe	Tetracycline hydrochl...	15230703	2
Gehe	Thyme, rubbed	4622A110120	1
Gehe	Triamcinolone acetone...	700124-0007	1
Gehe	Triamcinolone acetone...	13124805	5
Gehe	Triamcinolone acetone...	122301508	1
Gehe	Triamcinolone acetoni...	12A05-N07	4
Gehe	Triamcinolone acetoni...	13A15-N05	2
Gehe	Triclosan	12C21-N05	36
Gehe	Triclosan	13391811	1
Gehe	Triclosan	11/28-N02	1
Gehe	Triclosan	11/19-N11	1
Gehe	Triclosan	14052105	1
Gehe	Triclosan	16280801	4
Gehe	Triclosan	12106-n01	3
Gehe	Triclosan	1206034-02	2
Gehe	Triclosan	1206034-01	3
Gehe	Triclosan	11J28-N02	10
Gehe	Triclosan	13L18-B35-289987	9
Gehe	Triclosan	13391804	8
Gehe	Triclosan	4394083	3
Gehe	Trometamol	11025103	1
Gehe	Trometamol	11160708	1
Gehe	Tropicamide	15F18-B04	1
Gehe	Tropicamide	15F-18B-04	1
Gehe	Walnut bark, cut	1135602	1
Gehe	Wax, yellow	12079412	1
Gehe	White deadnettle flower	3915-091	1
Gehe	Wormwood herb, cut	13381901	1
Gehe	Xylometazoline hydroc...	10118802	1

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Supplier	Substance	Batch	Spectra
Gehe	Xylose	11J06-N01	1
Gehe	Xylose	1000110821	1
Gehe	Xylose	xrf12020201	5
Gehe	Yarrow flower, rubbed	12267702	2
Gehe	Yarrow herb, cut	1128503	1
GEHE	Betamethasone valerate	12229813	3
GEHE	Betamethasone valerate	1208014-02	14
GEHE	Calcium citrate tetra...	21022141/3	1
GEHE	Camphor	12K17-N09	1
GEHE	Carbomer 35000 / 50000	11351616	2
GEHE	Chloral hydrate	21022172/4	1
GEHE	Chloramphenicol	21022141/2	1
GEHE	Chlorocresol	10145219	1
GEHE	Clobetasol propionate	21022141/1	1
GEHE	Dequalinium chloride	9245-90.60	1
GEHE	Dexamethasone	12033317	6
GEHE	Dexamethasone acetate	12021805	1
GEHE	Dexamphetamine sulfate	635J7FA70021	1
GEHE	Dexamphetamine sulfate	635JFA70029	2
GEHE	Dexamphetamine sulfate	12F11-N01	1
GEHE	Emulsifying cetostear...	8440094	1
GEHE	Equisetum stem, cut	270045	1
GEHE	Estradiol benzoate	12B08-N05	1
GEHE	Glucose, anhydrous	13178715	5
GEHE	Hawthorn leaf with fl...	1971A120215	8
GEHE	Magnesium (hydrogen) ...	1110026-02	1
GEHE	Methylrosanilinium ch...	928104	1
GEHE	Paraffin, hard	15295409	1
GEHE	Raspberry leaf, cut	272989	1
GEHE	Rhubarb, cut	11321802	1
GEHE	Sodium edetate	11074702	2
GEHE	St. John's wort, cut	2477580	1
GEHE	Thyme, rubbed	521205633	1
GEHE	Trichloroacetic acid	10379406	2
GEHE	Trometamol	11376005	7
GEHE	Yarrow herb, cut	11280514	4
Gehe / 08.03.13 Redwood	Blessed thistle, cut	205007	1
Gehe / 26.10.12 Fragon	Hypromellose 4000	9D30-N05	1
Gehe 01.07.2013	Carbomer 35000 / 50000	12274908	6
Gehe 01.09.2014	Sorbitol	13278217	1
GEHE 02.05.2013	Prilocaine hydrochlor...	12J26.N09	1
GEHE 02.05.2014	Tetracaine base	14A16-B04-290208	5
Gehe 02.07.2013	Glucose, anhydrous	1224517	1
Gehe 02.07.2013	Minoxidil	123039503	1
Gehe 02.07.2013	Raspberry leaf, cut	11030701	1
Gehe 02.07.2013	Sucrose	1911208731	1
GEHE 02.12.2014	Lidocaine	13J30-B02-292220	2
GEHE 04.05	Tetracaine base	1405025-01	2
Gehe 06.05.2013	Matricaria flower	11169606	1
GEHE 06.05.2014	Macrogol 4000	13356608	2
Gehe 06.08.2013	Raspberry leaf, cut	10013411	3
Gehe 06.10.14	Carmellose sodium (40...	13299312	1
Gehe 07.03.2013	Tetracaine hydrochlor...	12019810	7
Gehe 07.10.13	Betamethasone, micron...	1201-No2	1
gehe 07.12.2013	Sage leaf, cut	2301/7120403	1
Gehe 08.06.2013	Metronidazole	111202802	1
Gehe 09.03.13	Large waybread herb, ...	12374104	9
Gehe 09.07.2013	Lidocaine	8565948	1
Gehe 10.05.2013	Raspberry leaf, cut	2291A120507	9
gehe 10.12.13	Mannitole	1305043/01	1

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Supplier	Substance	Batch	Spectra
gehe 10.12.13	Raspberry leaf, cut	229117121120	1
gehe 11.06.2013	Betamethasone, micron. ...	M-X01-111201-m1	1
GEHE 12.03.2014	Dexamethasone	13084306	4
Gehe 12.04.2013	Calcium citrate tetra. ...	11K04-N09	1
Gehe 12.04.2013	Fenugreek	12252602	4
Gehe 12.04.2013	Juniper, pounded	13020903	2
Gehe 12.04.2013	Tricalcium phosphate	12/13.N03	1
Gehe 13.02.14	Betamethasone valerate	13091210	8
GEHE 13.05	Miconazole nitrate	14149311	12
GEHE 14.04.2014	Hydrocortisone	13069509	4
GEHE 14.04.2014	Tartaric acid	13G03-N14	2
gehe 14.08.2013	Mannitole	1211034	1
Gehe 15.05.2013	Peppermint leaf, cut	2161A120718	3
Gehe 15.07.2013	Aluminium chloride he. ...	13022N09	1
GEHE 17.06.2014	Fructose	13098913	2
Gehe 18.06.2013	Magnesium (hydrogen) ...	1208006-02	1
Gehe 18.06.2013	Taurine	1106088	1
gehe 20.11.13	Fumitory, cut	3881B111013	2
GEHE 21.03.2014	Clobetasol propionate	1211021-02	35
gehe 21.08.2013	Nettle root, cut	11265004	5
GEHE 21.10.2014	Deoxycholic acid	13F13-N06	1
GEHE 22.03.2014	Melatonin	13167302	1
GEHE 27.05.2014	Ketamine hydrochloride	13H19-N01	1
Gehe 27.06.15/euro	Chloramphenicol	1502036-01	20
Gehe 27.09.13	Salicylic acid	9220708	1
Gehe 27.11.14	Glucose, anhydrous	14142309	1
Gehe 28.03.2013	Aluminium potassium s. ...	12184406	3
GEHE 28.11.2014	Sorbitol	13278245	1
Gehe 28.12.12	Chelidonium majus her. ...	3731A120611	5
Gehe 5.3.14	Propyl-4-hydroxybenzo. ...	13100215	11
Gehe 6.03.15	Miconazole nitrate	14149308	8
Gehe am 04.02.14	Metronidazole	1212030-01	8
Gehe am 04.03.14	Ephedrine hydrochloride	13323303	1
Gehe am 14.01.2013	Euphrasy herb, cut	270726	1
Gehe am 24.2.14	Gentamicin sulfate	1305047-01	9
Gehe am 27.03.2014	Juniper, pounded	2890A130513	1
Gehe am 29.04.2014	Miconazole nitrate	13352802	19
Gehe Kassel	Calcium citrate tetra. ...	14133307	1
Gehe Kassel	Glucose, anhydrous	14319310	2
Gehe Kassel	Lidocaine	14E13-B05-295550	3
Gehe Kassel 26.06.2015	Propranolol hydrochlo. ...	15082401	8
Gehe Kassel, 22.05.2015	Citric acid, anhydrous	14E06-B07-293872	3
gehe, 09.01.2013	Elder flower, rubbed	1571A1202015	2
gehe, 11.01.2013	Mistletoe, cut	11294001	1
Gehe/ 27.10.12 EuRho	Menthol	11219216	1
Gehe/EuRho	Clotrimazole	12o3040-03	1
Gehe/EuRho	Magnesium (hydrogen) ...	1208006-2	1
Gehe/EuRho	Magnesium (hydrogen) ...	112E-01829	1
Gehe/Euro	Sodium citrate	1404033-01	4
Gehe/Phönix	Triamcinolone acetoneide	1209040-02	6
Gehe08.06.2013	Senna leaf, cut	2331-B-130241	2
Gesundform	Ascorbic acid	L1110704	1
ghfgh	Potassium citrate	3654645	1
Großhandel	Betamethasone valerate	12B028-N01	1
Großhandel	Bitter orange flower ...	12266607	1
Großhandel	Bitter orange flower ...	12266612	1
Großhandel	Bitter orange flower ...	12266610	1
Großhandel	Bitter orange flower ...	12266606	1
Großhandel	Bitter orange flower ...	12266602	3
Großhandel	Bitter orange flower ...	11049213	1

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Supplier	Substance	Batch	Spectra
Großhandel	Citric acid, anhydrous	13K18-B34-291072	3
Großhandel	Clioquinol	13D15-N01	8
Großhandel	Clotrimazole	12/21-N04	5
Großhandel	Eleutherococcus, cut	10381816	1
Großhandel	Hydrocortisone	13H08-B01-285472	5
Großhandel	Hydrocortisone acetate	157000	1
Großhandel	Hydrocortisone acetate	1209003-01	23
Großhandel	Magnesium chloride he...	12141807	3
Großhandel	Mallow flower, cut	1501B111215	2
Großhandel	Matricaria flower	1290A120403	4
Großhandel	Miconazole nitrate	13185610	10
Großhandel	Miconazole nitrate	12243806	2
Großhandel	Nutmeg	7320A130911	1
Großhandel	Nutmeg	7320A110825	1
Großhandel	Nystatin	12158010	7
Großhandel	Passionflower herb, cut	12031706	4
Großhandel	Polymyxin B sulfate	1304033-02	2
Großhandel	Sorbitan stearate	12274801	2
Großhandel	Tall golden rod, cut	11280311	4
Großhandel	Testosterone	13610-N03	1
Großhandel	Testosterone	12F13-N02	2
Großhandel	Testosterone	13G10-N03	2
Großhandel	Tetracaine hydrochlor...	12H24-N05	19
Großhandel	Tetracaine hydrochlor...	13H21-B02-286559	3
Großhandel	Tetracaine hydrochlor...	13D11-N07	15
Großhandel	Thyme, rubbed	4622A12011	1
Großhandel	Trometamol	12113506	9
Gutenberg-Apotheke	Carmellose sodium (40...	4811E-03302	1
Gutenberg-Apotheke	Chloramphenicol	13A31-B02-286710	1
Gutenberg-Apotheke	Hydroxyethylcellulose...	10019402	2
Gutenberg-Apotheke	Hydroxyethylcellulose...	11048105	1
Gutenberg-Apotheke	Mannitole	13189221	1
Gutenberg-Apotheke	Nettle leaf, cut	18897	1
Gutenberg-Apotheke	Potassium citrate	13135907	5
Gutenberg-Apotheke	Raspberry leaf, cut	28911	1
Gutenberg-Apotheke	Rice starch	12360216	1
Gutenberg-Apotheke	Salicylic acid	12374208	3
Haihang	Prasterone	20130507	1
Haihang Industry	Estriol	20130824	1
Haihang Industry	Prasterone	20130816	4
Haihang Industry	Pregnenolone	20140329	1
Haihang Industry	Testosterone	20140114-1	1
Haihang Industry	Testosterone	20140114-2	1
Haushalt	Sucrose	123456	1
Haustee	Mistletoe, cut	57010507	1
HBK Gesundheit	Maltodextrin	1143	4
HBK Gesundheit	Maltodextrin	2343	1
Hedinger	Dandelion herb with r...	10121614	1
Hedinger	Macrogol 4000	13G19-N08	1
Hedinger	Magnesium sulfate hep...	204035	4
Hedinger	Magnesium sulfate hep...	204037	1
Hedinger/Alliance H.	Clotrimazole	15395617	2
Hedinger/Ebert	Vanillin	13A30-N10	1
Hedinger/Phönix	Sodium sulfate decahy...	205025	2
Heidelberger/Noweda	Magnesium (hydrogen) ...	1070876-2	1
Henry Lamotte	Macrogol 4000	1213test	1
hepart ag	Inositol hexanicotinate	63501	1
Hepart AG	Alchemilla, cut	B-698kbA	1
Hepart AG	Alchemilla, cut	21963	2
Hepart AG	Bitter orange flower ...	B120822	1

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Supplier	Substance	Batch	Spectra
Hepart AG	Blackthorn flower, ru...	N101109	2
Hepart AG	Daisy flower	A130307	1
Hepart AG	Equisetum stem, cut	B-695, kBA	1
Hepart AG	Fenugreek	A120118	2
Hepart AG	Hawthorn flower	13010401	1
Hepart AG	Lavender flower	A130214	4
Hepart AG	Male speedwell wort, ...	C130226	5
Hepart AG	Matricaria flower	B-477, kBA	1
Hepart AG	Melilot herb, cut	A110324	6
Hepart AG	Mullein flower, cut	12170904	3
Hepart AG	Nettle leaf, cut	P234605kBA	1
Hepart AG	Primrose flower	11374403	3
Hepart AG	Primrose flower	13086602	5
Hepart AG	Restharrow root, cut	B130404	3
Hepart AG	Robert herb, cut	A110621	6
Hepart AG	Savory, rubbed	12177205	3
Hepart AG	St. John's wort, cut	B-445, kBA	1
Hepart AG	Stemless carline root	B120726	1
Hepart AG	Thyme, rubbed	A130109	2
Hepart AG	Willow bark, cut	B100910	6
Hepart AG	Willowherb, small flo...	10326110	2
Herbal creations/Caes...	Methoxsalen	15244212	1
Herbal creations/Caes...	Methoxsalen	15244208	1
Herbal Creations/Caes...	Methoxsalen	15244205	3
Herbal Creations/Caes...	Methoxsalen	15244203	1
Herbasinica	Agrimony, cut	11374007	1
Herbasinica	Aluminium chloride he...	11G05-N02	3
Herbasinica	Betamethasone valerate	13g19-n01	3
Herbasinica	Blackthorn flower	nachprüfung	1
Herbasinica	Cocoa butter	nachprüfung	1
Herbasinica	Diltiazem hydrochloride	nachprüfung	1
Herbasinica	Gentamicin sulfate	13189608	6
Herbasinica	Hard fat in pastilles	nachprüfung	1
Herbasinica	Heavy alkaline bismut...	nachprüfung	1
Herbasinica	Lavender flower	nachprüfung	1
Herbasinica	Lavender flower	1488A130830	1
Herbasinica	Magnesium sulfate hep...	1303008-01	6
Herbasinica	Marian thistle fruit	nachprüfung	1
Herbasinica	Meadowsweet herb, cut	10381604	11
Herbasinica	Mometasone furoate, m...	12035602	1
Herbasinica	Potassium hydroxide	11165708	2
Herbasinica	Povidone iodine	10090619	1
Herbasinica	Primrose flower	nachprüfung	1
Herbasinica	Propyl-4-hydroxybenzo...	11373523	4
Herbasinica	Red-Rose petal, cut	nachprüfung	1
Herbasinica	Rose mallow flower, cut	nachprüfung	1
Herbasinica	Sodium citrate	S/WRef.Umstellung	2
Herbasinica	Sodium hydrogen carbo...	12324704	5
Herbasinica	Tannin	12171101	8
Hersteller: EuRho	Nystatin	1107036-01	8
Hersteller: Klenf	Coltsfoot leaf, cut	2021B120124	7
himb	Birch leaf, cut	12193104	2
HiperScan	Peppermint leaf, cut		2
Hirsch	Betamethasone valerate	13G19-No1	1
Hirsch	Tannin	1811209	1
Hirsch	Urea	810811	1
Hof-Apotheke,St.Afra	Comfrey root	125041	1
Hofmann Sommer	Maté leaf, cut	2141a111213	3
Hofmann Sommer	Willowherb, small flo...	13200203	4
Holdermann	Citric acid, anhydrous	1011047-03	3

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Supplier	Substance	Batch	Spectra
Holdermann	Fuchsine	11K18-N02	1
Holdermann	Mometasone furoate, m...	14C07-B05-29126	1
Holdermann	Salicylic acid	14E26-B04294624	1
holdermann euro	Potassium hydrocarbon...	1303002-01	4
Hollborn	Bromothymol blue	III13	1
Hustadt Apotheke	Citric acid, anhydrous	1350601	1
Ichthyol	Acorus root, peeled	272703	1
Ichthyol	Wax, yellow	13031239	9
Ichthyol/Phoenix	Miconazole nitrate	16/098/M	1
Ichthyol/Phönix	Carbomer 35000 / 50000	14149905	3
Ichthyol/Phönix	Magnesium (hydrogen) ...	14/12-B02-298854	2
Ichthyol-Gesellschaft	Betamethasone valerate	13k29-B32-288247	1
ICHTHYOL-GESELLSCHAFT	Sodium monohydrogenph...	Caelo	1
Ichtyol/Phönix	Alchemilla, cut	13141107	5
Ichtyol/Phönix	Zinc orotate dihydrate	12B02-N02	1
ICROM	Minoxidil	6/12	2
icrom spa	Minoxidil	511v	1
Imhof	Menthol	15-5401	1
inalco	D-galactose	212619PF5	1
Industrias GmbH / Ph	Sulfacetamide	64518	1
InfectoPharm	Propranolol hydrochlo...	J051201	1
InfectoPharm	Propranolol hydrochlo...	J0512011	1
inresa	3,4-diaminopyridine	631350001	1
inresa	3,4-diaminopyridine	58010001	2
inresa	3,4-diaminopyridine	58710001	2
Inresa	3,4-diaminopyridine	580710001	6
Inresa	3,4-diaminopyridine	33-15-IV-56P2749	2
Inresa	3,4-diaminopyridine	508670001	1
Inresa	Melatonin	110005	1
Inresa 22.09.15	Propranolol hydrochlo...	3043PRRII	1
Inresa Arznei	Pyridoxal-5-phosphate	13100411	1
IPCA/Noweda	Furosemide	11D29-N08	1
Jenne	Citric acid, anhydrous	15063002	1
Jenne	Diltiazem hydrochloride	15414313	3
Jenne	Fructose	1607030-01	2
Jenne	Fructose	14A16-B07	1
Jenne	Glucose, anhydrous	12141705	2
Jenne	Hypromellose 4000	15G08-B14	1
Jenne	Kaolin, heavy	13041803	3
Jenne	Methadone hydrochloride	15B24-B02	1
Jenne	Neomycin sulfate	15237602	2
Jenne	Phenylephrine hydroch...	14H13-B02	2
Jenne	Saccharin sodium	15087707	1
Jenne	Salicylic acid	12345	1
Jenne	Spirolactone	14378715	2
Jenne	Tetracaine hydrochlor...	13D11-No7	1
Jinzhou Donghui Phar...	Dimercaptosuccinic acid	121115	1
Jungbunzlauer	Calcium citrate tetra...	2012290954	1
Kaufland	Sucrose	L24475	1
Kaufland	Sucrose	L24494	2
Kehr	Betamethasone valerate	1208014-01	21
Kehr	Cetyl palmitate 15	12228818	5
Kehr	Citric acid, anhydrous	12043112	7
Kehr	Clobetasol propionate	12107603	1
Kehr	Clotrimazole	10247332	3
Kehr	Clotrimazole	10247331	1
Kehr	Glucose monohydrate	12C26-N06	1
Kehr	Hydrocortisone	1219304	1
Kehr	Hydrocortisone	12167001	12
Kehr	Hydrocortisone	11260309	6

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Supplier	Substance	Batch	Spectra
Kehr	Hydrocortisone acetate	11263906	2
Kehr	Hydrocortisone acetate	11263914	2
Kehr	Hydroxyethylcellulose...	110024-02	1
Kehr	Hydroxyethylcellulose...	211112PML01	1
Kehr	Hypromellose 4000	12098704	1
Kehr	Iodoform	2070602	1
Kehr	Iodoform	12070502	2
Kehr	Magnesium (hydrogen) ...	12080206-01	1
Kehr	Mallow flower, cut	10357908	3
Kehr	Metronidazole	11319817	2
Kehr	Miconazole nitrate	12243805	7
Kehr	Mometasone furoate, m...	12/29-N03	1
Kehr	Mullein flower, cut	11020901	1
Kehr	Paraffin, hard	11166916	1
Kehr	Prednisolone acetate	1158007	1
Kehr	Prednisolone, microni...	10196622	3
Kehr	Procaine hydrochloride	10159721	2
Kehr	Sodium monohydrogenph...	11K30-N01	2
Kehr	Stemless carline root	6191B1111205	1
Kehr	Tretinoin	1109014-01	1
Kehr	Tretinoin	12320301	2
Kehr	Triamcinolone acetoneide	1267708	1
Kehr	Urea	CH4N2O	1
Kehr	Wax, yellow	10F03-N09	1
Kehr	Zedoary root, cut	12125301	5
keine Angabe	Chlorhexidine diacetate	11204402	2
keine Angabe	Progesterone, microni...	1304040-01	6
Kenk / Phoenix	Calendula flower, cut	1241B130517	5
Kenk / Phoenix	Daisy flower	1210A130307	3
Kenk / Phoenix	Dandelion herb with r...	6611B130321	25
Kenk / Phoenix	European golden rod, ...	1781B110826	1
Kenk / Phoenix	Frangula bark, cut	661B110412	4
Kenk / Phoenix	Hawthorn leaf with fl...	1971A130307	4
Kenk / Phoenix	Hop strobile	1451B130409	8
Kenk / Phoenix	Lavender flower	1489A120103	24
Kenk / Phoenix	Lavender flower	1489A130214	12
Kenk / Phoenix	Marian thistle herb, ...	3701B120717	3
Kenk / Phoenix	Melilot herb, cut	4151A110324	7
Kenk / Phoenix	Raspberry leaf, cut	22781C120508	1
Kenk / Phoenix	Rose hips with peel, ...	2841B111019	3
Kenk / Phoenix	Sage leaf, cut	2301A130904	1
Kenk / Phoenix	St. John's wort, cut	4021A120604	22
Klenk	Abrotani herb, cut	pzn4288802	1
Klenk	Abrotani herb, cut	3451a120312	2
Klenk	Abrotani herb, cut	26011403	1
Klenk	Abrotani herb, cut	21081301	1
Klenk	Abrotani herb, cut	3451A120312	21
Klenk	Acorus root, peeled	6701b130103	1
Klenk	Acorus root, peeled	6701b120301	1
Klenk	Acorus root, peeled	106212173	1
Klenk	Acorus root, peeled	6711B110606	1
Klenk	Acorus root, peeled	6701B150407	1
Klenk	Acorus root, peeled	6701B120301	3
Klenk	Acorus root, peeled	6701B130103	9
Klenk	Agrimony, cut	3481C120508	1
Klenk	Alchemilla, cut	3501A110301	4
Klenk	Alchemilla, cut	3501B100428	2
Klenk	Alchemilla, cut	3501C121105	2
Klenk	Alchemilla, cut	3501B090417	1
Klenk	Aniseed, pounded	2706B100120	1

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Supplier	Substance	Batch	Spectra
Klenk	Apple, cut	A120302	2
Klenk	Arnica flower	1181B130605	1
Klenk	Artichoke leaf, cut	1981B130111	3
Klenk	Artichoke leaf, cut	1981B120413	1
Klenk	Artichoke leaf, cut	B121025	2
Klenk	Artichoke leaf, cut	1981B121025	4
Klenk	Ash leaf, cut	5111A-01491	1
Klenk	Asplenium scolopendri...	4451B091116	1
Klenk	Asplenium scolopendri...	4451B120605	1
Klenk	Barberry root bark, cut	551B110128	6
Klenk	Barberry root bark, cut	551B120320	1
Klenk	Basil, rubbed	A120502	1
Klenk	Basil, rubbed	3632A120502	5
Klenk	Basil, rubbed	3632a120502	1
Klenk	Basil, rubbed	A110201	1
Klenk	Bean shells, cut	671A110420	12
Klenk	Bean shells, cut	171A110301	1
Klenk	Bean shells, cut	671C120321	16
Klenk	Bean shells, cut	671C121105	7
Klenk	Bean shells, cut	C120321	2
Klenk	Bean shells, cut	671A110301	1
Klenk	Bean shells, cut	11030602	6
Klenk	Bean shells, cut	C121105	2
Klenk	Bean shells, cut	671A-110420	1
Klenk	Bean shells, cut	671A100816	2
Klenk	Bean shells, cut	671C130620	5
Klenk	Bean shells, cut	671A100420	1
Klenk	Bean shells, cut	C130620	1
Klenk	Bearberry leaf, cut	23051202	1
Klenk	Bearberry leaf, cut	2391B120314	9
Klenk	Bearberry leaf, cut	2391B120719	13
Klenk	Bearberry leaf, cut	2391B130328	7
Klenk	Bearberry leaf, cut	2391B07030901	1
Klenk	Bearberry leaf, cut	2391b120314	2
Klenk	Bilberry fruit, dried	2910N130131	11
Klenk	Bilberry fruit, dried	2010N110304	1
Klenk	Bilberry fruit, dried	2910A090717	2
Klenk	Bilberry fruit, dried	2910N120921	3
Klenk	Bilberry fruit, dried	2910N121022	8
Klenk	Bilberry fruit, dried	2910N110304	4
Klenk	Bilberry fruit, dried	910N130131	2
Klenk	Bilberry fruit, dried	N121022	1
Klenk	Bilberry fruit, dried	2910n130131	1
Klenk	Bilberry fruit, dried	2910n120921	1
Klenk	Bilberry fruit, dried	N130131	2
Klenk	Bilberry fruit, dried	2910n110304	1
Klenk	Bilberry leaf, cut	4042013	1
Klenk	Bilberry leaf, cut	N110516	1
Klenk	Bilberry leaf, cut	2191N110516	5
Klenk	Birch leaf, cut	20111201	1
Klenk	Birch leaf, cut	1901A130218	4
Klenk	Birch leaf, cut	19121206	1
Klenk	Birch leaf, cut	1901A130318	2
Klenk	Birch leaf, cut	1901c120802	1
Klenk	Birch leaf, cut	1901C-120508	1
Klenk	Birch leaf, cut	1901A140214	1
Klenk	Birch leaf, cut	F-040413-1	1
Klenk	Birch leaf, cut	C120802	1
Klenk	Birch leaf, cut	A121130	2
Klenk	Birch leaf, cut	4213I01481	1

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Supplier	Substance	Batch	Spectra
Klenk	Birch leaf, cut	4113A-01481	1
Klenk	Birch leaf, cut	28101306	1
Klenk	Birch leaf, cut	27121301	1
Klenk	Birch leaf, cut	21061303	1
Klenk	Birch leaf, cut	1901A05051801	1
Klenk	Birch leaf, cut	1901C120508	21
Klenk	Birch leaf, cut	1901A110726	25
Klenk	Birch leaf, cut	1901A-110726	3
Klenk	Birch leaf, cut	1901c120508	3
Klenk	Birch leaf, cut	4021409	1
Klenk	Birch leaf, cut	1901C120802	18
Klenk	Birch leaf, cut	1901A121130	26
Klenk	Bismuth gallath, basic	12E16-N03	3
Klenk	Bitter orange flower ...	1201B110809	1
Klenk	Bitter orange flower ...	3613m-01445	1
Klenk	Bitter orange flower ...	1201B120822	1
Klenk	Bitter orange peel, cut	511B120830	3
Klenk	Bitter orange peel, cut	274240	4
Klenk	Bitter orange peel, cut	2711B111207	1
Klenk	Bitter orange peel, cut	511B110321	2
Klenk	Bitter orange peel, cut	531A091125	1
Klenk	Blackberry leaf, cut	2271B111216	1
Klenk	Blackberry leaf, cut	101364009	1
Klenk	Blackcurrant leaf, cut	2251a110204	1
Klenk	Blackthorn flower	2612E-01468	1
Klenk	Blackthorn flower, ru...	1150N101109	3
Klenk	Blackthorn flower, ru...	1150n101109	1
Klenk	Blessed thistle, cut	A110517	1
Klenk	Blessed thistle, cut	nachprüfung	1
Klenk	Bogbean leaf, cut	2371A100915	1
Klenk	Bogbean leaf, cut	2371A110809	3
Klenk	Boldo leaf, cut	1911B090709	1
Klenk	Boldo leaf, cut	1911A100714	7
Klenk	Buckwheat herb, cut	4581B120509	1
Klenk	Buckwheat herb, cut	B120509	1
Klenk	Burdock root, cut	6161A-120103	1
Klenk	Burdock root, cut	6161A120208	2
Klenk	Burdock root, cut	6161a120103	1
Klenk	Burdock root, cut	A130214	1
Klenk	Burdock root, cut	A120206	1
Klenk	Burdock root, cut	6161A101206	3
Klenk	Calcium citrate tetra...	1107012-02	4
Klenk	Calendula flower	1241B130517	1
Klenk	Calendula flower	1250A110511	1
Klenk	Calendula flower	1241B120312	1
Klenk	Calendula flower	C120321	1
Klenk	Calendula flower, cut	1241B130927	1
Klenk	Calendula flower, cut	1240A110418	2
Klenk	Calendula flower, cut	204311448	1
Klenk	Calendula flower, cut	112211448	1
Klenk	Calendula flower, cut	1241B120419	3
Klenk	Calendula flower, cut	1241B140211	1
Klenk	Calendula flower, cut	1241B150902	1
Klenk	Calendula flower, cut	1241B160530	1
Klenk	Calendula flower, cut	1241B130321	6
Klenk	Calendula flower, cut	1241N151209	1
Klenk	Calendula flower, cut	2000234	1
Klenk	Calendula flower, cut	3013E1448	1
Klenk	Calendula flower, cut	B130517	2
Klenk	Calendula flower, cut	1241B110118	2

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Supplier	Substance	Batch	Spectra
Klenk	Camphor	444A150721	1
Klenk	Camphor	444A160817	1
Klenk	Camphor	444A140526	3
Klenk	Centaury, cut	3711B111216	2
Klenk	Centaury, cut	B120628	1
Klenk	Centaury, cut	3711B-111216	1
Klenk	Chelidonium majus her...	3731B100205	1
Klenk	Chelidonium majus her...	3731A130904	1
Klenk	Chelidonium majus her...	3731K120904	4
Klenk	Chelidonium majus her...	3731A-110301	1
Klenk	Chelidonium majus her...	4711E-01632	1
Klenk	Chelidonium majus her...	3731A110301	11
Klenk	Chelidonium majus her...	nachprüfung	1
Klenk	Chelidonium majus her...	1406111632	1
Klenk	Chicory herb, cut	3751A100118	1
Klenk	Chicory herb, cut	3751a120307	1
Klenk	Chicory herb, cut	3751c120614	1
Klenk	Chicory herb, cut	4510I-01634	1
Klenk	Chicory herb, cut	3751A-100118	1
Klenk	Chicory herb, cut	A120123	2
Klenk	Chicory herb, cut	3751A080902	1
Klenk	Chicory herb, cut	3751A120123	4
Klenk	Chicory herb, cut	3751A120307	5
Klenk	Chicory root, cut	6221A090311	2
Klenk	Chicory root, cut	6221N130201	1
Klenk	Chicory root, cut	66221A101202	1
Klenk	Chicory root, cut	6221A101202	6
Klenk	Chicory root, cut	A130304	1
Klenk	Cinnamon rods (Ceylon...	610A101018	1
Klenk	Cinnamon rods (Ceylon...	A101018	1
Klenk	Coltsfoot leaf, cut	2021B140131	2
Klenk	Coltsfoot leaf, cut	2021B130319	6
Klenk	Coltsfoot leaf, cut	2021b121204	1
Klenk	Coltsfoot leaf, cut	2021C130326	10
Klenk	Coltsfoot leaf, cut	23121302	1
Klenk	Coltsfoot leaf, cut	26091301	1
Klenk	Coltsfoot leaf, cut	B130227	1
Klenk	Coltsfoot leaf, cut	B120124	1
Klenk	Coltsfoot leaf, cut	KS100061	1
Klenk	Coltsfoot leaf, cut	2021B121203	6
Klenk	Coltsfoot leaf, cut	5011301	1
Klenk	Coltsfoot leaf, cut	8061207	1
Klenk	Coltsfoot leaf, cut	11101202	1
Klenk	Coltsfoot leaf, cut	2021B111005	2
Klenk	Coltsfoot leaf, cut	20021301	1
Klenk	Coltsfoot leaf, cut	2012B120124	1
Klenk	Coltsfoot leaf, cut	2020B120124	1
Klenk	Coltsfoot leaf, cut	2021B111111	5
Klenk	Coltsfoot leaf, cut	2021B120601	4
Klenk	Coltsfoot leaf, cut	14111302	1
Klenk	Comfrey herb, cut	4561B100518	2
Klenk	Comfrey root	6241B06110202	1
Klenk	Comfrey root	6241B130619	3
Klenk	Comfrey root	6241B130312	2
Klenk	Comfrey root	6241B100715	1
Klenk	Comfrey root	6241B110811	1
Klenk	Comfrey root	6241B120807	4
Klenk	Comfrey root	6244B130624	1
Klenk	Comfrey root	6241B131009	1
Klenk	Comfrey root	6241b130724	1

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Supplier	Substance	Batch	Spectra
Klenk	Comfrey root	6241B130724	5
Klenk	Comfrey root	6241b130619	1
Klenk	Comfrey root	6241B121214	2
Klenk	Common wormwood herb,...	3591A120123	7
Klenk	Common wormwood herb,...	2591A130218	1
Klenk	Common wormwood herb,...	12016707	4
Klenk	Common wormwood herb,...	12016708	5
Klenk	Common wormwood herb,...	3591A130218	9
Klenk	Common wormwood herb,...	3591A11119	1
Klenk	Common wormwood herb,...	3591a120123	1
Klenk	Common wormwood herb,...	3591a130218	2
Klenk	Common wormwood herb,...	7312754	1
Klenk	Common wormwood herb,...	A120123	2
Klenk	Corn starch	64A080218	8
Klenk	Corn starch	64A130304	8
Klenk	Cottonwood bud	3260A120828	1
Klenk	Couch grass rhizome, ...	6781N111019	1
Klenk	Cowberry leaf, cut	2431B101006	2
Klenk	Daisy flower	1210a071301	1
Klenk	Daisy flower	1210A110223	1
Klenk	Daisy flower	A130705	1
Klenk	Daisy flower	1210A120215	5
Klenk	Damiana leaf, cut	1990A130206	1
Klenk	Damiana leaf, cut	12064101	1
Klenk	Damiana leaf, cut	A130206	2
Klenk	Dandelion herb with r...	6611B090306	1
Klenk	Dandelion herb with r...	6611B110104	6
Klenk	Dandelion herb with r...	6611A110104	1
Klenk	Dandelion herb with r...	6611B1104104	1
Klenk	Dandelion herb with r...	6611B420620	1
Klenk	Dandelion herb with r...	6611B160613	1
Klenk	Dandelion herb with r...	6611B-131206	1
Klenk	Dandelion herb with r...	6611B-120620	1
Klenk	Dandelion herb with r...	6611b110929	2
Klenk	Dandelion herb with r...	6611B110929	3
Klenk	Dandelion herb with r...	6611B130314	4
Klenk	Devil's claw root	6331B130129	4
Klenk	Devil's claw root	6331B120508	4
Klenk	Elder flower, rubbed	1571A130627	1
Klenk	Elder flower, rubbed	1571A141126	1
Klenk	Elder flower, rubbed	157A120215	1
Klenk	Elder flower, rubbed	16061201	1
Klenk	Elder flower, rubbed	21091201	1
Klenk	Elder flower, rubbed	1571A121121	23
Klenk	Elder flower, rubbed	26061201	1
Klenk	Elder flower, rubbed	A120215	1
Klenk	Elder flower, rubbed	A121121	1
Klenk	Elder flower, rubbed	1571a121121	2
Klenk	Elder flower, rubbed	1901211471	1
Klenk	Elder flower, rubbed	1571A110223	19
Klenk	Elder flower, rubbed	1571A110125	3
Klenk	Elder flower, rubbed	1021304	1
Klenk	Elder flower, rubbed	13021301	1
Klenk	Elder flower, rubbed	1571A120215	8
Klenk	Elder flower, rubbed	1571a1211	1
Klenk	Elder flower, rubbed	1571a121022	3
Klenk	Elder flower, rubbed	1571a120215	1
Klenk	Elder flower, rubbed	1571A130930	3
Klenk	Elder flower, rubbed	1571A121022	18
Klenk	Elder flower, rubbed	1571A-110223	1

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Supplier	Substance	Batch	Spectra
Klenk	Elder root, cut	6281B110427	4
Klenk	Elecampane rhizome, cut	6341B100426	2
Klenk	Elecampane rhizome, cut	6341B120611	2
Klenk	Elecampane rhizome, cut	6341B130423	2
Klenk	Elecampane rhizome, cut	B130423	2
Klenk	Elecampane rhizome, cut	6311141B130423	1
Klenk	Eleutherococcus, cut	7011A110714	1
Klenk	Eleutherococcus, cut	7011A121204	1
Klenk	Eleutherococcus, cut	7011A101206	1
Klenk	Elm bark, cut	841A1101120	1
Klenk	Elm bark, cut	841a120413	1
Klenk	Equisetum stem, cut	3831A111124	1
Klenk	Equisetum stem, cut	3831A120903	4
Klenk	Equisetum stem, cut	3831A120726	10
Klenk	Equisetum stem, cut	3831A110922	2
Klenk	Equisetum stem, cut	3831N110218	1
Klenk	Equisetum stem, cut	3831A120018	1
Klenk	Equisetum stem, cut	3831A120611	3
Klenk	Equisetum stem, cut	1804211642	1
Klenk	Equisetum stem, cut	3831A121018	4
Klenk	Equisetum stem, cut	3831A111124	7
Klenk	Equisetum stem, cut	3831A120529	8
Klenk	Equisetum stem, cut	3831A110601	1
Klenk	Erythromycin	EB068I14	1
Klenk	Eucalyptus leaf, cut	2011B110801	4
Klenk	Eucalyptus leaf, cut	2011B120419	5
Klenk	Eucalyptus leaf, cut	2011B130306	4
Klenk	Eucalyptus leaf, cut	2011b130306	1
Klenk	Eucalyptus leaf, cut	B130306	2
Klenk	Eucalyptus leaf, cut	2011B130306-35294110	1
Klenk	Eucalyptus leaf, cut	B120419	1
Klenk	Euphrasy herb, cut	B130430	1
Klenk	Euphrasy herb, cut	3871B130430	1
Klenk	Euphrasy herb, cut	15029806	1
Klenk	Euphrasy herb, cut	B101206	1
Klenk	Euphrasy herb, cut	3871B100713	1
Klenk	European golden rod, ...	1781B110706	2
Klenk	Fenugreek	A130603	1
Klenk	Fenugreek	9011301	1
Klenk	Fenugreek	7260A110530	18
Klenk	Fenugreek	7260A130603	10
Klenk	Fenugreek	7260A120118	20
Klenk	Fenugreek	8061301	1
Klenk	Feverfew herb, cut	4831B110819	2
Klenk	Frangula bark, cut	6621B110412	1
Klenk	Frangula bark, cut	pzn4266611	1
Klenk	Frangula bark, cut	nachprüfung	1
Klenk	Frangula bark, cut	661B130306	1
Klenk	Frangula bark, cut	661B-110412	1
Klenk	Frangula bark, cut	661B-090903	1
Klenk	Fumitory, cut	B120410	1
Klenk	Galeopsis herb, cut	3911A090219	2
Klenk	Galeopsis herb, cut	3911A080409	1
Klenk	Galeopsis herb, cut	3911a130320	2
Klenk	Galeopsis herb, cut	3911A130110	3
Klenk	Gentian root, cut	6311B130205	2
Klenk	Gentian root, cut	6311B110509	1
Klenk	Gentian root, cut	6311B100817	2
Klenk	Gentian root, cut	6311A120723	4
Klenk	Gentian root, cut	1911E-02142	1

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Supplier	Substance	Batch	Spectra
Klenk	Gentian root, cut	6311a120723	1
Klenk	Geum urbanum herb, cut	3931B080714	2
Klenk	Ginger, peeled	6951B110119	1
Klenk	Ginger, peeled	6951B100302	1
Klenk	Ginger, peeled	6951B110822	2
Klenk	Glucose monohydrate	4298924	1
Klenk	Glucose monohydrate	13157002	12
Klenk	Goat's rue, cut	3901B140801	1
Klenk	Goat's rue, cut	3901C110905	1
Klenk	Ground ivy herb, cut	11052317	1
Klenk	Ground ivy herb, cut	3991B110304	3
Klenk	Ground ivy herb, cut	3991B130502	2
Klenk	Hawthorn flower	1351B130819	3
Klenk	Hawthorn fruit	2806B110818	2
Klenk	Hawthorn fruit	2806B121203	2
Klenk	Hawthorn leaf with fl. ...	A130307	1
Klenk	Hawthorn leaf with fl. ...	28101307	1
Klenk	Hawthorn leaf with fl. ...	1971A120727	12
Klenk	Hawthorn leaf with fl. ...	20121302	1
Klenk	Hawthorn leaf with fl. ...	1972A120727	1
Klenk	Hawthorn leaf with fl. ...	1971a120813	2
Klenk	Hawthorn leaf with fl. ...	1971a120727	1
Klenk	Hawthorn leaf with fl. ...	1971a120215	1
Klenk	Hawthorn leaf with fl. ...	1971A110620	7
Klenk	Hawthorn leaf with fl. ...	1971A120813	22
Klenk	Hawthorn leaf with fl. ...	1971A120813-34103101	1
Klenk	Hawthorn leaf with fl. ...	1971A130307-3447	1
Klenk	Hawthorn leaf with fl. ...	1971A130307-35014110	1
Klenk	Hawthorn leaf with fl. ...	14101301	1
Klenk	Hay flower	1400A120116	1
Klenk	Hay flower	A130304	1
Klenk	Hay flower	10192103	1
Klenk	Heather flower, rubbed	13014202	1
Klenk	Henna powder	20747A111004	1
Klenk	Henna powder	2074A111004	1
Klenk	Hop strobile	1451B111004	2
Klenk	Hop strobile	1451B130107	6
Klenk	Hop strobile	1451B130409	1
Klenk	Hop strobile	1451B120817	12
Klenk	Hop strobile	12008304	1
Klenk	Hop strobile	B130409	1
Klenk	Hop strobile	4301135	1
Klenk	Hop strobile	20071301	1
Klenk	Hop strobile	1451B140408	2
Klenk	Hop strobile	1451b130409	1
Klenk	Hop strobile	1451b130107	1
Klenk	Hop strobile	1451B-120817	1
Klenk	Hop strobile	1450A110712	1
Klenk	Horse chestnut flower. ...	1440A110311	3
Klenk	Horse chestnut leaf, ...	2551N130124	3
Klenk	Horse chestnut leaf, ...	2551B081223	1
Klenk	Horse chestnut leaf, ...	N130124	2
Klenk	Horse chestnut leaf, ...	2551B111013	9
Klenk	Horse chestnut leaf, ...	255100903	1
Klenk	Ivy leaf, cut	B130118	1
Klenk	Jasmine flower	1460A110505	1
Klenk	Java tea, cut	2221B110718	10
Klenk	Java tea, cut	2221B12112	1
Klenk	Java tea, cut	17121304	1
Klenk	Java tea, cut	B121112	3

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Supplier	Substance	Batch	Spectra
Klenk	Java tea, cut	221B121112	1
Klenk	Java tea, cut	B110718	1
Klenk	Java tea, cut	2221B121112	15
Klenk	Juniper	A120709	2
Klenk	Juniper	2890A130513	1
Klenk	Juniper	2890A120709	6
Klenk	Juniper, pounded	2896B121016	7
Klenk	Kaolin, heavy	424A100819	2
Klenk	Kaolin, heavy	424A130507	4
Klenk	Kaolin, heavy	45131I01190	1
Klenk	Kaolin, heavy	424A130507	1
Klenk	Knotgrass, cut	4301A120912	2
Klenk	Knotgrass, cut	4301A121120	3
Klenk	Ladys bedstraw herb,...	3921B101012	1
Klenk	Ladys bedstraw herb,...	3921C130226	1
Klenk	Large waybread herb, ...	N111121	1
Klenk	Large waybread herb, ...	4281N110404	1
Klenk	Large waybread herb, ...	4281N111121	5
Klenk	Laurel leaf	B110809	1
Klenk	Laurel leaf, cut	B110809	2
Klenk	Lavender flower	1488A111201	2
Klenk	Lavender flower	1489A1209019	1
Klenk	Lavender flower	1802211462	1
Klenk	Lavender flower	1488B130111	2
Klenk	Lavender flower	1489A120919	7
Klenk	Lavender flower	1488A120803	3
Klenk	Lavender flower	1489A100125	1
Klenk	Lavender flower	313U-01462	1
Klenk	Lavender flower	1489A1203	1
Klenk	Lavender flower	1137903	1
Klenk	Lavender flower	1488B130604	5
Klenk	Lemon grass, cut	7721A130708	1
Klenk	Lemon grass, cut	A120906	1
Klenk	Lemon grass, cut	A130907	1
Klenk	Lemon grass, cut	7721A120906	1
Klenk	Lemon peel, cut	621A091016	1
Klenk	Lemon peel, cut	A130221	2
Klenk	Lemon verbena leaf, cut	2411B110408	2
Klenk	Lime flower, cut	1611a121120	2
Klenk	Lime flower, cut	1611B111011	5
Klenk	Lime flower, cut	Pr.Nr.4411A-01474	1
Klenk	Lime flower, cut	1611B110421	2
Klenk	Lime flower, cut	1611B130905	5
Klenk	Lime flower, cut	1611B130307	3
Klenk	Lime flower, cut	1611B121105	6
Klenk	Lime flower, cut	1611A121120	10
Klenk	Lime flower, cut	1611b121105	1
Klenk	Lime flower, cut	1611B11011	1
Klenk	Lime flower, cut	B130905	4
Klenk	Lime flower, cut	B130307	2
Klenk	Lime flower, cut	1611B1010004	1
Klenk	Lime flower, cut	1611B131220	1
Klenk	Lime flower, cut	1611A12110	1
Klenk	Liquorice root, peeled	6381a120611	1
Klenk	Liquorice root, peeled	6381A120611	13
Klenk	Liquorice root, peeled	6381111A121126	1
Klenk	Liquorice root, peeled	6381A130426	20
Klenk	Liquorice root, peeled	6381A140109	1
Klenk	Liquorice root, peeled	6381a121126	1
Klenk	Liquorice root, peeled	6381A120806	5

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Supplier	Substance	Batch	Spectra
Klenk	Liquorice root, peeled	6381a111004	1
Klenk	Liquorice root, peeled	6381A130820	6
Klenk	Liquorice root, peeled	A130820	3
Klenk	Liquorice root, peeled	6281a120611	1
Klenk	Liquorice root, peeled	6381A110531	1
Klenk	Liquorice root, peeled	6381A121126	31
Klenk	Liquorice root, peeled	6381A111004	17
Klenk	Liquorice root, natur...	6390A101020	1
Klenk	Liquorice root, natur...	6391A110421	4
Klenk	Liquorice root, natur...	6391A080905	5
Klenk	Lovage root, cut	B121029	1
Klenk	Lovage root, cut	6371A080508	4
Klenk	Lovage root, cut	B110228	1
Klenk	Lovage root, cut	6371B-121029	1
Klenk	Lovage root, cut	6371b121029	1
Klenk	Lovage root, cut	6371B121029	2
Klenk	Lungwort herb, cut	4331B111205	2
Klenk	Lungwort herb, cut	4331A120813	1
Klenk	Lycopodium herb, cut	4111B110428	2
Klenk	Male speedwell wort, ...	nachprüfung	1
Klenk	Male speedwell wort, ...	4661B110916	2
Klenk	Male speedwell wort, ...	4661C-111011	1
Klenk	Male speedwell wort, ...	4661C13026	1
Klenk	Male speedwell wort, ...	C120321	1
Klenk	Male speedwell wort, ...	4661C131104	1
Klenk	Male speedwell wort, ...	4661C111011	17
Klenk	Male speedwell wort, ...	4661C120802	14
Klenk	Male speedwell wort, ...	4661C130226	24
Klenk	Male speedwell wort, ...	4661C2004	1
Klenk	Male speedwell wort, ...	4661A090318	1
Klenk	Male speedwell wort, ...	4661B101011	1
Klenk	Male speedwell wort, ...	4661c130226-34343111	1
Klenk	Male speedwell wort, ...	4661c120802	1
Klenk	Male speedwell wort, ...	4661C130226-32743106	1
Klenk	Male speedwell wort, ...	4661c120321	1
Klenk	Mallow flower, cut	1501B130829	3
Klenk	Mallow flower, cut	1501B110207	2
Klenk	Mallow flower, cut	1501b110207	1
Klenk	Mallow flower, cut	1501b111215	1
Klenk	Mallow flower, cut	150B111215	1
Klenk	Mallow flower, cut	1501B-120427	1
Klenk	Mallow flower, cut	B130829	3
Klenk	Mallow flower, cut	B120427	1
Klenk	Mallow flower, cut	1910211464	1
Klenk	Mallow flower, cut	1501B100408	1
Klenk	Mallow flower, cut	1501B120427	11
Klenk	Mallow flower, cut	1501B120508	6
Klenk	Mallow leaf, cut	2131B130225	4
Klenk	Mallow leaf, cut	2131B10529	1
Klenk	Mallow leaf, cut	2131B110420	4
Klenk	Mallow leaf, cut	2131B120529	7
Klenk	Mallow leaf, cut	B130225	1
Klenk	Mannitole	1211034-02	21
Klenk	Mannitole	5224A110314	1
Klenk	Mannitole	110402803	1
Klenk	Marian thistle fruit	7180A130219	2
Klenk	Marian thistle fruit	70180A120725	1
Klenk	Marian thistle fruit	A120725	1
Klenk	Marian thistle fruit	7180A120207	2
Klenk	Marian thistle fruit	7180A120725	3

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Supplier	Substance	Batch	Spectra
Klenk	Marian thistle fruit	7180A090929	1
Klenk	Marian thistle fruit	6621A120606	1
Klenk	Marian thistle fruit	7180A132019	1
Klenk	Marian thistle herb, ...	3701B110610	1
Klenk	Marian thistle herb, ...	3701A111207	12
Klenk	Marian thistle herb, ...	913E-01627	1
Klenk	Marian thistle herb, ...	2011402	1
Klenk	Marian thistle herb, ...	B110728	1
Klenk	Marian thistle herb, ...	3701B111117	1
Klenk	Marian thistle herb, ...	3701B130318	6
Klenk	Marian thistle herb, ...	3701a111207	1
Klenk	Marian thistle herb, ...	11041310	1
Klenk	Marian thistle herb, ...	3701A100916	2
Klenk	Marjoram herb, rubbed	ohne	1
Klenk	Marjoram herb, rubbed	A101025	2
Klenk	Marjoram herb, rubbed	4881a101025	1
Klenk	Marjoram herb, rubbed	12345678	1
Klenk	Marjoram herb, rubbed	4881A091119	1
Klenk	Marjoram herb, rubbed	4881A101025	16
Klenk	Marrubium vulgare her...	13289102	1
Klenk	Marrubium vulgare her...	4141A130110	1
Klenk	Marshmallow root, pee...	6071a130408	1
Klenk	Marshmallow root, pee...	A130408	1
Klenk	Marshmallow root, pee...	6071A-120314	1
Klenk	Marshmallow root, pee...	6074B100416	1
Klenk	Marshmallow root, pee...	130116	1
Klenk	Marshmallow root, pee...	6071A130116	6
Klenk	Marshmallow root, pee...	6071A130408	4
Klenk	Marshmallow root, pee...	6071A120314	4
Klenk	Maté leaf, cut	2141A-101102	1
Klenk	Maté leaf, cut	2131A111213	1
Klenk	Maté leaf, cut	2141A120821	2
Klenk	Matricaria flower	1290A120404	11
Klenk	Matricaria flower	1290A120601	2
Klenk	Matricaria flower	1290A110607	3
Klenk	Matricaria flower	1290A-120620	1
Klenk	Matricaria flower	1290A130502	1
Klenk	Matricaria flower	1290A110421	1
Klenk	Matricaria flower	1290A120601	14
Klenk	Matricaria flower	1290A120529	3
Klenk	Matricaria flower	1290A120620	18
Klenk	Matricaria flower	1290A150618	1
Klenk	Matricaria flower	1290A120404	1
Klenk	Matricaria flower	A120529	1
Klenk	Matricaria flower	2701211452	1
Klenk	Matricaria flower	1290A130516	1
Klenk	Matricaria flower	1290B130415	4
Klenk	Matricaria flower	A130502	1
Klenk	Matricaria flower	1290B101122	1
Klenk	Matricaria flower	1290A12061	1
Klenk	Matricaria flower	11101302	1
Klenk	Matricaria flower	1290a120620	1
Klenk	Matricaria flower	1290A120529	1
Klenk	Matricaria flower	1290A20404	1
Klenk	Matricaria flower	A120529	1
Klenk	Matricaria flower	A130516	1
Klenk	Matricaria flower	B130415	2
Klenk	Matricaria flower	1290A130516	7
Klenk	Matricaria flower	1290B130415	39
Klenk	Matricaria flower	1290B140123	1

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Supplier	Substance	Batch	Spectra
Klenk	Matricaria flower	4100113002	2
Klenk	Matricaria flower	1290A110825	3
Klenk	Matricaria flower	129A120620	1
Klenk	Matricaria flower	14111314	1
Klenk	Matricaria flower	16121301	1
Klenk	Matricaria flower	2310211452	1
Klenk	Matricaria flower	27111204	1
Klenk	Matricaria flower	27111209	1
Klenk	Meadowsweet flower, r. . .	A120312	1
Klenk	Meadowsweet herb, cut	4541A120313	2
Klenk	Melilot herb, cut	4151A120912	2
Klenk	Melissa leaf, cut	2161A121009	15
Klenk	Melissa leaf, cut	2161A101216	1
Klenk	Melissa leaf, cut	2161A110207	1
Klenk	Melissa leaf, cut	2161A121206	3
Klenk	Melissa leaf, cut	111207	1
Klenk	Melissa leaf, cut	2161A110818	1
Klenk	Melissa leaf, cut	2161A130806	4
Klenk	Melissa leaf, cut	2161A120718	17
Klenk	Melissa leaf, cut	2161A111207	20
Klenk	Melissa leaf, cut	2807211503	1
Klenk	Melissa leaf, cut	27091201	1
Klenk	Melissa leaf, cut	2161A121029	6
Klenk	Melissa leaf, cut	2161A121009/PN:1198	1
Klenk	Melissa leaf, cut	2161a111207	2
Klenk	Melissa leaf, cut	2161A151209	1
Klenk	Minoxidil	12c29-n05	1
Klenk	Mistletoe, cut	4691a121122	1
Klenk	Mistletoe, cut	4691a130307	2
Klenk	Mistletoe, cut	4691A720507	1
Klenk	Mistletoe, cut	4961A120419	2
Klenk	Mistletoe, cut	4691A121122-35454110	1
Klenk	Mistletoe, cut	4691A130307	7
Klenk	Mistletoe, cut	4691A-120507	1
Klenk	Mistletoe, cut	4691A121122	11
Klenk	Mistletoe, cut	4691A120507	3
Klenk	Mistletoe, cut	110816	1
Klenk	Mistletoe, cut	4691A110816	2
Klenk	Mistletoe, cut	1512211695	1
Klenk	Mistletoe, cut	2901311695	1
Klenk	Mistletoe, cut	603211695	1
Klenk	Mistletoe, cut	4691a110816	1
Klenk	Mistletoe, cut	4691A120419	9
Klenk	Motherwort herb, cut	4071A-100707	1
Klenk	Mullein flower, cut	3951B121218	1
Klenk	Mullein flower, cut	A120612	1
Klenk	Mullein flower, cut	1650A100608	1
Klenk	Mullein flower, cut	1651B121109	20
Klenk	Mullein flower, cut	1651B150722	1
Klenk	Mullein flower, cut	1650A111018	2
Klenk	Mullein flower, cut	1650A120612	1
Klenk	Mullein flower, cut	1651B140324	1
Klenk	Mullein flower, cut	1651B110203	2
Klenk	Mullein flower, cut	1651B120315	5
Klenk	Mullein flower, cut	1651b120315	1
Klenk	Mullein flower, cut	1651B130820	3
Klenk	Mullein flower, cut	1651b130820	2
Klenk	Mullein flower, cut	1651B110915	1
Klenk	Nettle leaf, cut	2381A130703	13
Klenk	Nettle leaf, cut	2381A140221	1

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Supplier	Substance	Batch	Spectra
Klenk	Nettle leaf, cut	2381A150109	1
Klenk	Nettle leaf, cut	2381A-121010	1
Klenk	Nettle leaf, cut	2381a120619	4
Klenk	Nettle leaf, cut	2381A-120619	1
Klenk	Nettle leaf, cut	4513E3054	1
Klenk	Nettle leaf, cut	A130122	1
Klenk	Nettle leaf, cut	A130703	1
Klenk	Nettle leaf, cut	2381A121010	2
Klenk	Nettle leaf, cut	A110913	1
Klenk	Nettle leaf, cut	2381A151012	1
Klenk	Nettle leaf, cut	2381A110809	1
Klenk	Nettle leaf, cut	1107211689	1
Klenk	Nettle leaf, cut	1913A-03054	1
Klenk	Nettle leaf, cut	2372A130703	1
Klenk	Nettle leaf, cut	2381A120619	15
Klenk	Nettle leaf, cut	2381a100818	1
Klenk	Nettle leaf, cut	2381A130122	26
Klenk	Nettle leaf, cut	2381A110913	23
Klenk	Nettle leaf, cut	114Q-03054	1
Klenk	Nettle leaf, cut	2381a130122	1
Klenk	Nettle root, cut	9931B120927	1
Klenk	Nettle root, cut	6631N110513	1
Klenk	Nettle root, cut	6631B120416	1
Klenk	Nettle root, cut	nachprüfung	1
Klenk	Orange peel, cut	531a130204	1
Klenk	Orange peel, cut	531A130204	5
Klenk	Oregano herb	4221A120315	2
Klenk	Orris root	B130102	1
Klenk	Orris root	B111013	1
Klenk	Orris root	6831B111013	1
Klenk	Oxybuprocaine hydroch. . .	3613M-07321	1
Klenk	Passionflower herb, cut	A120329	2
Klenk	Passionflower herb, cut	4231A120329	2
Klenk	Passionflower herb, cut	4231A-110913	1
Klenk	Peppermint leaf, cut	2181B130717	9
Klenk	Peppermint leaf, cut	2181A110512	9
Klenk	Peppermint leaf, cut	312172/3	1
Klenk	Peppermint leaf, cut	2181A130320	6
Klenk	Peppermint leaf, cut	2161A121206	15
Klenk	Peppermint leaf, cut	2181A120913	38
Klenk	Peppermint leaf, cut	2183A120913	2
Klenk	Peppermint leaf, cut	2161A130806	8
Klenk	Peppermint leaf, cut	2161	1
Klenk	Peppermint leaf, cut	2161A121009	6
Klenk	Peppermint leaf, cut	2161A110207	1
Klenk	Peppermint leaf, cut	1001311505	1
Klenk	Peppermint leaf, cut	1209211505	1
Klenk	Peppermint leaf, cut	1913A-01505	1
Klenk	Peppermint leaf, cut	2181A101013	9
Klenk	Peppermint leaf, cut	2181A-101013	1
Klenk	Peppermint leaf, cut	2161a121029	1
Klenk	Peppermint leaf, cut	CH.2161B080818	1
Klenk	Peppermint leaf, cut	A130806	1
Klenk	Peppermint leaf, cut	A121009	1
Klenk	Peppermint leaf, cut	4513E1503	1
Klenk	Peppermint leaf, cut	2161B140321	1
Klenk	Peppermint leaf, cut	2161A-121206	1
Klenk	Peppermint leaf, cut	2181A100323	1
Klenk	Peppermint leaf, cut	2181A-120913	1
Klenk	Peppermint leaf, cut	2181a120913	3

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Supplier	Substance	Batch	Spectra
Klenk	Peppermint leaf, cut	4113Q1505	1
Klenk	Peppermint leaf, cut	2181A13020	1
Klenk	Peppermint leaf, cut	2161A07020203	1
Klenk	Potassium citrate	11102219	1
Klenk	Potato starch	94A130304	1
Klenk	Potato starch	94A110512	1
Klenk	Primrose flower	1541B130808	6
Klenk	Primrose flower	1541B110314	11
Klenk	Primrose flower	1540A100907	1
Klenk	Primrose flower	A111018	1
Klenk	Primrose flower	B110314	1
Klenk	Primrose flower	B130808	1
Klenk	Primrose flower	B130808	1
Klenk	Primrose flower	1541B100414	2
Klenk	Primrose flower	1540A-100907	1
Klenk	Primrose root, cut	B130218	3
Klenk	Primrose root, cut	6461A100511	1
Klenk	Progesterone, microni...	C01-120322	2
Klenk	Raspberry leaf, cut	2291a111124	1
Klenk	Raspberry leaf, cut	12273107	1
Klenk	Raspberry leaf, cut	2291A121120	4
Klenk	Raspberry leaf, cut	2291A110125	1
Klenk	Raspberry leaf, cut	2291A120806	6
Klenk	Raspberry leaf, cut	2291A120813	1
Klenk	Raspberry leaf, cut	2291A130320	1
Klenk	Raspberry leaf, cut	A130430	1
Klenk	Red clover flower	7470A130311	1
Klenk	Red clover flower	1640A110727	3
Klenk	Red clover flower	1640A130122	14
Klenk	Red clover flower	1640a130122	1
Klenk	Red clover flower	nachprüfung	3
Klenk	Red clover flower	811Q-07163	1
Klenk	Red clover flower	1640A120116	1
Klenk	Red-Rose petal	1561A121016	1
Klenk	Red-Rose petal, cut	1561A121016-34023101	1
Klenk	Red-Rose petal, cut	1561B101210	3
Klenk	Red-Rose petal, cut	1561A110404	1
Klenk	Restharrow root, cut	4296345	1
Klenk	Restharrow root, cut	B111110	1
Klenk	Restharrow root, cut	6411B130404	3
Klenk	Restharrow root, cut	6411B111110	3
Klenk	Restharrow root, cut	6411B101216	2
Klenk	Restharrow root, cut	6411111110	1
Klenk	Rhubarb, cut	6891B111118	1
Klenk	Rhubarb, cut	7761B130514	2
Klenk	Ribwort plantain, cut	4271A100615	4
Klenk	Ribwort plantain, cut	4271A111125	2
Klenk	Ribwort plantain, cut	4271A-110816	1
Klenk	Ribwort plantain, cut	427A111125	1
Klenk	Ribwort plantain, cut	4281N111121	2
Klenk	Ribwort plantain, cut	4271A130115	7
Klenk	Ribwort plantain, cut	4271A110816	4
Klenk	Ribwort plantain, cut	A110816	1
Klenk	Rice starch	104A120621	5
Klenk	Rice starch	64A080218	2
Klenk	Rice starch	94A100122	1
Klenk	Rice starch	94A120621	1
Klenk	Rice starch	84A130304	1
Klenk	Rice starch	104A130304	5
Klenk	Rice starch	84A141114	1

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Supplier	Substance	Batch	Spectra
Klenk	Rice starch	64A130304	15
Klenk	Robert herb, cut	3951B12118	1
Klenk	Robert herb, cut	3951B121218	2
Klenk	Robert herb, cut	3951-A-110621	1
Klenk	Rose hips peel, cut	2841B111019	2
Klenk	Rose hips peel, cut	2851A101119	2
Klenk	Rose hips peel, cut	2851A-110202	1
Klenk	Rose hips peel, cut	2851A120102	5
Klenk	Rose hips peel, cut	2851A120904	2
Klenk	Rose hips peel, cut	A120904	3
Klenk	Rose hips peel, cut	3613M-01543	1
Klenk	Rose hips peel, cut	2851A150310	1
Klenk	Rose hips with peel, ...	B111019	1
Klenk	Rose hips with peel, ...	2841B081210	1
Klenk	Rose hips with peel, ...	A120904	1
Klenk	Rose hips with peel, ...	B130523	1
Klenk	Rose hips with peel, ...	2841B110317	1
Klenk	Rose hips with peel, ...	A120719	1
Klenk	Rose hips with peel, ...	3613M-01542	1
Klenk	Roselle	1431B-110519	1
Klenk	Roselle	B130205	1
Klenk	Roselle	1431B130205	1
Klenk	Roselle	1431B111122	1
Klenk	Rue herb, cut	4361A07020601	1
Klenk	Rue herb, cut	4361A100707	3
Klenk	Rue herb, cut	4361A120207	1
Klenk	Rue herb, cut	A120207	1
Klenk	Saffron (spice)	384A130320	2
Klenk	Saffron (spice)	384A110608	1
Klenk	Saffron (spice)	384a120410	1
Klenk	Saffron (spice)	384A-120410	1
Klenk	Saffron filaments	380A130613	1
Klenk	Saffron filaments	380a120416	1
Klenk	Saffron filaments	380A120416	2
Klenk	Saffron filaments	380a130613	1
Klenk	Sage leaf, cut	2310A120403	1
Klenk	Sage leaf, cut	C120126	1
Klenk	Sage leaf, cut	2301A100726	1
Klenk	Sage leaf, cut	2301C12126	1
Klenk	Sage leaf, cut	2301C120126	16
Klenk	Sage leaf, cut	2301A110420	1
Klenk	Sage leaf, cut	21021313	1
Klenk	Sage leaf, cut	2301c120126	2
Klenk	Sage leaf, cut	2301C12026	1
Klenk	Sage leaf, cut	2301a120403	2
Klenk	Salicylic acid	12134722	4
Klenk	Sarsaparilla root, cut	B111108	1
Klenk	Sarsaparilla root, cut	6561B111108	2
Klenk	Senna leaf, cut	2331C130326	14
Klenk	Senna leaf, cut	2331B120403	4
Klenk	Senna leaf, cut	2331C120614	11
Klenk	Senna leaf, cut	2331A100525	2
Klenk	Senna leaf, cut	2331b130214	1
Klenk	Senna leaf, cut	B130214	1
Klenk	Senna leaf, cut	2331B120521	5
Klenk	Senna leaf, cut	2331B130214	4
Klenk	Senna leaf, cut	2331B150903	1
Klenk	Senna leaf, cut	2331A110207	2
Klenk	Senna leaf, cut	2331c130326	2
Klenk	Senna leaf, cut	2331B110907	2

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Supplier	Substance	Batch	Spectra
Klenk	Senna pods, tinnevelly	1041B120327	1
Klenk	Shepherd's purse, cut	B111201	1
Klenk	Shepherd's purse, cut	3671A-100414	2
Klenk	Shepherd's purse, cut	3671B111201	1
Klenk	Silverweed, cut	3551A130903	1
Klenk	Silverweed, cut	A110913	2
Klenk	Silverweed, cut	H-280513-3	1
Klenk	Silverweed, cut	3551A110913	2
Klenk	Sodium dihydrogen pho...	1301005-01	1
Klenk	Sodium hydrogen carbo...	12d11-n02	1
Klenk	Solanum dulcamara ste...	5601A080513	1
Klenk	Sorrel herb, cut	11165306	1
Klenk	Spearmint leaf, cut	2171A120711	1
Klenk	St. John's wort, cut	4021A120905	4
Klenk	St. John's wort, cut	4021A130612	3
Klenk	St. John's wort, cut	4021A100819914	2
Klenk	St. John's wort, cut	4021B110321	1
Klenk	St. John's wort, cut	4021a120604	1
Klenk	St. John's wort, cut	4021A100819	22
Klenk	St. John's wort, cut	A121120	1
Klenk	St. John's wort, cut	4021A100919	1
Klenk	St. John's wort, cut	4021a100819	1
Klenk	St. John's wort, cut	4021A00819	1
Klenk	St. John's wort, cut	268913	2
Klenk	St. John's wort, cut	15068103	2
Klenk	St. John's wort, cut	A130612	3
Klenk	Star anise	2690A101026	2
Klenk	Star anise	B111109	1
Klenk	Star anise	2695B120308	1
Klenk	Star anise	2696B111109	1
Klenk	Star anise	2690A130903	2
Klenk	Star anise	2690A120809	1
Klenk	Star anise	2690A111013	3
Klenk	Stemless carline root	6191b120726	3
Klenk	Stemless carline root	69191B120726	1
Klenk	Stemless carline root	6191B130228	2
Klenk	Stemless carline root	6191B120726	5
Klenk	Stemless carline root	6194B110831	1
Klenk	Stemless carline root	12097301	1
Klenk	Strawberry leaf, cut	A130430	1
Klenk	Strawberry leaf, cut	B120925	1
Klenk	Strawberry leaf, cut	2031A130430	2
Klenk	Strawberry leaf, cut	2031B110224	2
Klenk	Sulfacetamide	11085904	3
Klenk	Sunflower, cut	1701B091013	1
Klenk	Sweet woodruff herb, ...	3601B090114	1
Klenk	Sweet woodruff herb, ...	3601B140321	1
Klenk	Sweet woodruff herb, ...	B090114	3
Klenk	Tall golden rod, cut	4521A100414	1
Klenk	Tall golden rod, cut	4521A110209	5
Klenk	Tall golden rod, cut	4521A-110816	1
Klenk	Tall golden rod, cut	1781B110706	1
Klenk	Tall golden rod, cut	A110209	1
Klenk	Tall hawkweed, cut	3611B11105	1
Klenk	Tall hawkweed, cut	B111005	1
Klenk	Thyme, rubbed	4622a130109	3
Klenk	Thyme, rubbed	4622A-120111	1
Klenk	Thyme, rubbed	4622A130910	2
Klenk	Thyme, rubbed	4622a120111	4
Klenk	Thyme, rubbed	2103311688	1

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Supplier	Substance	Batch	Spectra
Klenk	Thyme, rubbed	11121307	1
Klenk	Thyme, rubbed	4622B110519	3
Klenk	Thyme, rubbed	2902211688	1
Klenk	Thyme, rubbed	4622A120111	54
Klenk	Thyme, rubbed	4622A130109	81
Klenk	Thyme, rubbed	1910211688	1
Klenk	Thyme, rubbed	4622A141203	1
Klenk	Thyme, rubbed	4622a110728	2
Klenk	Thyme, rubbed	4622A1200111	1
Klenk	Thyme, rubbed	1005	1
Klenk	Thyme, rubbed	A130910	3
Klenk	Triamcinolone acetonide	NS1680M	1
Klenk	Trichloroacetic acid	11294318	2
Klenk	Urea	12111807	11
Klenk	Valerian root, cut	6641B130226	10
Klenk	Valerian root, cut	13196808	1
Klenk	Valerian root, cut	6645B130226	1
Klenk	Valerian root, cut	6641B120417	3
Klenk	Valerian root, cut	6641B100823	1
Klenk	Valerian root, cut	6641B-110317	1
Klenk	Verbena herb, cut	4651B120611	18
Klenk	Verbena herb, cut	A130923	1
Klenk	Verbena herb, cut	4651B130611	2
Klenk	Verbena herb, cut	12345	1
Klenk	Verbena herb, cut	4651A070828	3
Klenk	Verbena herb, cut	4651B110310	3
Klenk	Vine leaf, cut	2491B100707	1
Klenk	Walnut bark, cut	711B120906	2
Klenk	Walnut bark, cut	711B080806	1
Klenk	Walnut bark, cut	711B111020	6
Klenk	Walnut bark, cut	711B110128	1
Klenk	Walnut bark, cut	711b120613	1
Klenk	Walnut bark, cut	711B120613	1
Klenk	Walnut bark, cut	7114B120906	1
Klenk	Wax, bleached	290A150716	1
Klenk	Wax, bleached	280A160311	1
Klenk	Wax, bleached	280A150528	5
Klenk	Wax, yellow	290A150716	1
Klenk	Wax, yellow	290A110803	1
Klenk	Wax, yellow	290A081210	1
Klenk	Wax, yellow	290A140903	3
Klenk	Wax, yellow	280A150528	3
Klenk	Wax, yellow	290A120627	5
Klenk	Wax, yellow	280A140306	8
Klenk	Wax, yellow	280A120627	4
Klenk	Wax, yellow	280A130115	16
Klenk	Wax, yellow	280-A120627	1
Klenk	Wax, yellow	280A13011A	1
Klenk	Wax, yellow	282A120627	1
Klenk	Wax, yellow	282A140306	1
Klenk	Wax, yellow	13335513	4
Klenk	Wheat starch	104A120621	4
Klenk	Wheat starch	104a141114	1
Klenk	Wheat starch	104A141114	4
Klenk	Wheat starch	104A160512	1
Klenk	Wheat starch	10A160512	1
Klenk	Wheat starch	104A101116	1
Klenk	White deadnettle flower	1470a120111	1
Klenk	White deadnettle flower	1470A120111	4
Klenk	White deadnettle flower	1470a080103	1

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Supplier	Substance	Batch	Spectra
Klenk	White deadnettle flower	1470A080103	1
Klenk	White deadnettle flower	nachprüfung	1
Klenk	White deadnettle flower	1470A080910	1
Klenk	Wild pansy, cut	4681A120806	10
Klenk	Wild pansy, cut	11216103	5
Klenk	Wild pansy, cut	4681A110303	2
Klenk	Wild pansy, cut	4681B130715	6
Klenk	Wild pansy, cut	4681A-120806	1
Klenk	Wild pansy, cut	B130715	1
Klenk	Willow bark, cut	811B100910	4
Klenk	Willowherb, small flo...	4721A120418	7
Klenk	Willowherb, small flo...	2512U-01641	1
Klenk	Willowherb, small flo...	4721A101010	4
Klenk	Willowherb, small flo...	C120321	1
Klenk	Willowherb, small flo...	4721C2120321	2
Klenk	Willowherb, small flo...	4721B130528	1
Klenk	Willowherb, small flo...	4721C110701	4
Klenk	Willowherb, small flo...	4721C130618	4
Klenk	Willowherb, small flo...	4721A120903	7
Klenk	Wormwood herb, cut	3461A121130	2
Klenk	Wormwood herb, cut	A110324	1
Klenk	Wormwood herb, cut	3461A110324	2
Klenk	Wormwood herb, cut	3461A1100324	1
Klenk	Yarrow flower, rubbed	A110816	3
Klenk	Yarrow flower, rubbed	1511A111129	1
Klenk	Yarrow flower, rubbed	4181A121130	1
Klenk	Yarrow herb, cut	4181A130710	1
Klenk	Yarrow herb, cut	4181A130513	11
Klenk	Yarrow herb, cut	4181A121130	14
Klenk	Yarrow herb, cut	4181a11011	1
Klenk	Yarrow herb, cut	A130709	1
Klenk	Yarrow herb, cut	4181a130513	1
Klenk	Yarrow herb, cut	4181B130709	2
Klenk	Yarrow herb, cut	4181A111122	4
Klenk	Yarrow herb, cut	4181A110111	19
Klenk	Yarrow herb, cut	4181A101102	3
Klenk	Yarrow herb, cut	4181130709	1
Klenk	Yarrow herb, cut	15333007	1
Klenk	Yellow chaste weed, cut	1591A110511	14
Klenk	Yellow chaste weed, cut	1591A-110511	1
Klenk	Zedoary root, cut	6941B121025	2
Klenk	Zedoary root, cut	6941B110329	1
Koisser	Cellulose, microcryst...	E0790	1
Koisser	Glucosamine sulfate 2...	120719K371	1
Koisser	Melatonin	140202	1
Koisser	Melatonin	140202	1
Koisser	Pregnenolone	ZH-130802	1
Koisser	Procaine hydrochloride	11370218	1
Koisser	Rice starch	WE07032013	1
Koisser Pharma	Pregnenolone	ZH-131001	1
Krämer&Martin	Calcium lactate penta...	11612009053019	1
Krämer&Martin	Citric acid monohydrate	11742009053020	1
Kräuter Sc	Betony herb, cut	38546	1
kräuter schulte	Bitter orange peel, cut	51265	1
kräuter schulte	Gentian root, cut	52348	1
kräuter schulte	Red-Rose petal, cut	47543	1
Kräuter Schulte	Abrotani herb, cut	50870	1
Kräuter Schulte	Blackthorn flower, ru...	53233	2
Kräuter Schulte	Bucho leaf	54519	1
Kräuter Schulte	China Pai Mu Tan	52783	1

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Supplier	Substance	Batch	Spectra
Kräuter Schulte	Couch grass rhizome, ...	53016	2
Kräuter Schulte	Dryas octopetala herb...	38970	1
Kräuter Schulte	Geum urbanum herb, cut	51737	1
Kräuter Schulte	Red clover flower	53778	1
Kräuter Schulte	Saponaria root, cut	54977	1
Kräuter Schulte	Saponaria root, cut	54524	2
Kräuter-Schulte	Peppermint leaf, cut	56254	1
Kräuter-Schulte	Sorrel herb, cut	55272	1
Kräuter-Schulte	Sweet woodruff herb, ...	52878	1
Kräuter-Schulte	Zedoary root, cut	25713	1
Kremer/Phönix	Triclosan	15/157/T	1
Krieger	Chlortetracycline hyd...	12C16-No1	1
Krieger	Citric acid monohydrate	613001-1-P	1
Krieger	Triclosan	12g17-N04	1
KS Pharma	Melatonin	XPS130428	1
KS Pharma	Pregnenolone	ZH-111119	1
Kuerzel	Metronidazole	1307002-02	3
Laborchemie Apolda/Je...	Urea	12345	1
Laborchemie Apolda/Ph...	Oxytetracycline hydro...	1506037-02	12
Lamotte/Spangroh	Dequalinium chloride	15218404	2
Land/Phönix	Neomycin sulfate	13062905	3
Leyhs	Pilocarpine hydrochlo...	15198701	1
Lihn/Reformhaus	Fructose	713E-03394	2
Lihua/phönix	Hydrocortisone acetate	K06A20140801M	1
linnea/salficalcan	Griffonia seed extract	50814001	1
Lohman	Sodium sulfate decahy...	1210005-02	3
lohmann	Potassium citrate	1051470	1
Löns Apotheke	Urea	40003	1
Löns Apotheke	Urea	20349	1
Löwen City-Apotheke B...	Doxycycline hyclate	10022014	1
Löwen City-Apotheke B...	Doxycycline hyclate	2042015	1
Löwen City-Apotheke B...	Octenidine dihydrochl...	2042015	1
Löwen City-Apotheke B...	Propranolol hydrochlo...	4012013	1
Lycored	Caromix	CMXVBAF-011301	1
Macfarlan Smith/Noweda	Cocaine hydrochloride	15224802	1
Macsen laboratories/P...	Methylrosanilinium ch...	1989	1
Magnesia/ Noweda	Magnesium sulfate hep...	26251	3
Mahendra Chem./Noweda	Lidocaine hydrochloride	1505023	1
Martinus Apotheke	Bismuth gallath, basic	keine	1
Martinus-Apotheke	Triamcinolone acetone...	13379905	11
Merck	Codeine phosphate hem...	120765	1
Merck	Heavy alkaline bismut...	75419201	1
Merck	Trichloroacetic acid	12821	1
Merck	Trometamol	8386F017	1
Microsin	Lithium orotate monoh...	ORL00315	1
Microsin Pharmorgana	Calcium orotate dihyd...	ORC00413	1
Microsin Pharmorgana	Copper orotate dihydr...	565313	1
Microsin Pharmorgana	Magnesium orotate dih...	ORM02514	1
Microsin Pharmorgana	Magnesium orotate dih...	ORM00213	1
Microsin Pharmorgana	Magnesium orotate dih...	ORM09114	1
Microsin Pharmorgana	Magnesium orotate dih...	OMR00213	1
Microsin Pharmorgana	Zinc orotate dihydrate	ORZ00113	1
Moehs BCN S.L. / Noweda	Lidocaine	15332305	3
Moehs Catalana, S.L./...	Lidocaine hydrochloride		1
Nachprüfung	Abrotani herb, cut	3451A070919	1
Nachprüfung	Blackcurrant leaf, cut	1003	1
Nachprüfung	Boric acid		1
Nachprüfung	Cetyl palmitate 15	3012U01241	1
Nachprüfung	Clioquinol	3021U-02562	1
Nachprüfung	Hay flower	1911E01459	1

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Supplier	Substance	Batch	Spectra
Nachprüfung	Heather, cut	5110A03224	1
Nachprüfung	Hydrocortisone acetate		2
Nachprüfung	Hydroxyethylcellulose...	13d26-n16	1
Nachprüfung	Lactose monohydrate	3712Q-02210	1
Nachprüfung	Methoxsalen	4211Q-03262	1
Nachprüfung	Oxalic acid		1
Nachprüfung	Potassium hydrocarbon...	1105	1
Nachprüfung	Prasterone	120022	1
Nachprüfung	Quinolinol sulfate po...	2812U03423	1
Nachprüfung	Rice starch	3709E01116	1
Nachprüfung	Sorbitan stearate		1
Nachprüfung	Tannin	5210A-01052	1
Nachprüfung	Wild pansy, cut	10291007	1
Nachprüfung 2312	Hydrocortisone	10282201	1
Nachprüfung 2574	Chlortetracycline hyd...	1108051-01	1
Nachprüfung 2609	Hypromellose 4000	11H26-N01	1
Nachprüfung 2797	Hydroxyethylcellulose...	12249202	1
Nanjing Baijingyu Pha...	Chloramphenicol	13080908	5
NCPC	Ascorbic acid	1107411106	1
NE GPF	Ascorbic acid	DY0261121205	1
new zealand pharmaceu...	Deoxycholic acid	411656	1
Newchem	Triamcinolone acetone...	1303001-02	1
NEWCHEM / Sanacorp	Triamcinolone acetone...	15040007-01	1
NEWCHEM S.P.A.	Triamcinolone acetone...	NV0994M	1
Newchem S.p.A./Caesar...	Triamcinolone acetone...	1543015	1
Norex Flavours Pvt. L...	Menthol	15286207	1
Norex Flavours Pvt. L...	Menthol	15286205	1
Northeast Gen	Chloramphenicol	DY122127	1
Nowed 18.12.2014	Triclosan	14121210	6
Nowed18.08.2015	Magnesium (hydrogen) ...	14265521	2
noweda	Lavender flower	11327904	1
noweda	Nettle leaf, cut	10291404	1
noweda	Triamcinolone acetone...	13256604	1
noweda	Valerian root, cut	11103603	1
noweda	Wormwood herb, cut	11085709	1
Noweda	Acetylsalicylic acid	10040403	1
Noweda	Acetylsalicylic acid	3946120	1
Noweda	Acorus root, peeled	6701B120427	7
Noweda	Agrimony, cut	9300106	1
Noweda	Alchemilla, cut	1215301	1
Noweda	Alfatradiol	12D19-N03	8
Noweda	Allantoin	11J11-N11	4
Noweda	Allantoin	12B09-N08	2
Noweda	Allantoin	13A21-N07	5
Noweda	Ammonium hydrogen car...	11145601	3
Noweda	Atropine sulfate	12250403	1
Noweda	Bean shells, cut	265670	1
Noweda	Bearberry leaf, cut	267926	2
Noweda	Bearberry leaf, cut	11213011	6
Noweda	Bentonite	11304415	1
Noweda	Bentonite	1301012-01	1
Noweda	Betamethasone dipropi...	12114509	1
Noweda	Betamethasone valerate	11B21-N02	1
Noweda	Betamethasone valerate	15075812	3
Noweda	Betamethasone valerate	12229832	1
Noweda	Betamethasone valerate	11131902	1
Noweda	Betamethasone, micron...	M-X01-120301m1	1
Noweda	Betamethasone, micron...	12B20-N05	5
Noweda	Birch leaf, cut	12193004	5
Noweda	Birch leaf, cut	12193105	4

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Supplier	Substance	Batch	Spectra
Noweda	Birch leaf, cut	11189508	2
Noweda	Bitter orange flower ...	11049211	1
Noweda	Boldo leaf, cut	11016507	1
Noweda	Butylated hydroxytolu...	12158201	4
Noweda	Caffeine citrate	CCC-1101	1
Noweda	Calcium hydrogen phos...	11287501	2
Noweda	Calcium pantothenate	14208012	1
Noweda	Calendula flower, cut	268876	1
Noweda	Calendula flower, cut	12221709	7
Noweda	Camphor	1202021-01	8
Noweda	Carmellose sodium (40...	12354401	1
Noweda	Centaury, cut	10104012	2
Noweda	Chloramphenicol	11370712	3
Noweda	Chloramphenicol	14346910	5
Noweda	Chloramphenicol	1137014	1
Noweda	Chlortetracycline hyd...	11K25-N13	1
Noweda	Chlortetracycline hyd...	12c16-n01	1
Noweda	Ciclopirox olamine	12040911	5
Noweda	Ciclopirox olamine	12D26-N10	2
Noweda	Ciclopirox olamine	12B22-N03	2
Noweda	Citric acid, anhydrous	10182420	3
Noweda	Citric acid, anhydrous	1141364	1
Noweda	Citric acid, anhydrous	1011047-02	1
Noweda	Clioquinol	120103401	1
Noweda	Clioquinol	10057206	1
Noweda	Clioquinol	14359103	10
Noweda	Clobetasol propionate	NR0671M	2
Noweda	Clobetasol propionate	12E08-N04	16
Noweda	Clobetasol propionate	11101312	1
Noweda	Clotrimazole	10247316	1
Noweda	Copper (II) sulfate p...	11F21-N03	1
Noweda	Copper (II) sulfate p...	12B09-N10	1
Noweda	Damiana leaf, cut	200151	1
Noweda	Dandelion herb with r...	11030311	5
Noweda	Dandelion herb with r...	11217101	1
Noweda	Dandelion herb with r...	521101126	1
Noweda	Dandelion herb with r...	11030305	3
Noweda	Dequalinium chloride	12b14-n05	1
Noweda	Dexamethasone	1107006-02	1
Noweda	Diclofenac sodium	11301804	1
Noweda	Diclofenac sodium	11G12-N06	1
Noweda	Dithranole	APDT/375/2012	1
Noweda	Dithranole	DT/375/2012D	3
Noweda	Emulsifying cetostear...	12065705	1
Noweda	Emulsifying cetostear...	13065576	1
Noweda	Equisetum stem, cut	11021904	3
Noweda	Equisetum stem, cut	10375511	1
Noweda	Erythromycin	14044006	4
Noweda	Erythromycin	13175603	10
Noweda	Erythromycin	11195413	1
Noweda	Erythromycin	150803401	1
Noweda	Estradiol benzoate	13277603	3
Noweda	Estradiol hemihydrate	12268008	1
Noweda	Estriol	11254409	1
Noweda	Estriol	11J13-No7	1
Noweda	Estriol	12032504	3
Noweda	Gentamicin sulfate	1106016-01	8
Noweda	Gentamicin sulfate	1305005	1
Noweda	Glucose monohydrate	11K16-N01	2
Noweda	Glucose monohydrate	11B22-N06	1

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Supplier	Substance	Batch	Spectra
Noweda	Glucose monohydrate	10082017	1
Noweda	Glucose monohydrate	1210034	1
Noweda	Glycerol monostearate...	11079301	1
Noweda	Hard fat in pastilles	11345909	3
Noweda	Hard fat W35	16027801	1
Noweda	Hawthorn leaf with fl...	11366001	2
Noweda	Hawthorn leaf with fl...	10273515	6
Noweda	Hop strobile	274725	1
Noweda	Hop strobile	12008313	1
Noweda	Horse chestnut leaf, ...	11063502	2
Noweda	Horse chestnut leaf, ...	11063501	1
Noweda	Hydrocortisone	12104303	9
Noweda	Hydrocortisone acetate	11F24-N12	1
Noweda	Hydrocortisone acetate	11263912	1
Noweda	Hydrocortisone acetate	HCA003/0611	1
Noweda	Hypromellose 4000	1315505	1
Noweda	Iodoform	10320402	1
Noweda	Iodoform	12070407	2
Noweda	Isosorbide dinitrate ...	10G15-N01	1
Noweda	Java tea, cut	2221B101213	2
Noweda	Juniper	521101635	1
Noweda	Juniper	2890A101201	5
Noweda	Ketamine hydrochloride	14/03-B02-311706	1
Noweda	Ketamine hydrochloride	292414P	1
Noweda	Laurel leaf	12299101	2
Noweda	Lidocaine	5308e-07003	1
Noweda	Lidocaine hydrochloride	11/19-N06	1
Noweda	Lime flower, cut	10273608	3
Noweda	Lime flower, cut	12170702	4
Noweda	Liquorice root, peeled	70226/1	1
Noweda	Liquorice root, peeled	521200852	1
Noweda	Lycopodium herb, cut	9378808	1
Noweda	Lycopodium herb, cut	11050001	1
Noweda	Macrogol 4000	13136003	4
Noweda	Macrogol 4000	12361502	4
Noweda	Macrogol 4000	12361512	4
Noweda	Magnesium (hydrogen) ...	10163306	1
Noweda	Magnesium chloride he...	11H01-N03	1
Noweda	Magnesium stearate	13D11-N08	1
Noweda	Magnesium sulfate hep...	11H29-N02	3
Noweda	Mannitole	14323124	2
Noweda	Mannitole	11219138	1
Noweda	Mannitole	11219124	5
Noweda	Mannitole	11219101	4
Noweda	Mannitole	11219115	2
Noweda	Mannitole	12105404	5
Noweda	Mannitole	15I24-B05-314323	1
Noweda	Mannitole	15K17-B01	1
Noweda	Mannitole	15I24-B05-314323	1
Noweda	Mannitole	12105405	3
Noweda	Marian thistle herb, ...	10315905	1
Noweda	Marrubium vulgare her...	4141A080513	1
Noweda	Marshmallow leaf, cut	13199604	4
Noweda	Matricaria flower	12111903	3
Noweda	Matricaria flower	11169603	2
Noweda	Melatonin	11267126	4
Noweda	Melatonin	11267111	3
Noweda	Melissa leaf, cut	10310913	1
Noweda	Menthol	12020403	5
Noweda	Menthol	15363809	2

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Supplier	Substance	Batch	Spectra
Noweda	Methoxsalen	11D07-N16	3
Noweda	Methyl-4-hydroxybenzo...	11090010	1
Noweda	Methyl-4-hydroxybenzo...	10113607	1
Noweda	Methyl-4-hydroxybenzo...	21022111/1	1
Noweda	Methyl-4-hydroxybenzo...	11090002	2
Noweda	Methyl-4-hydroxybenzo...	11090021	1
Noweda	Methylrosanilinium ch...	2159	2
Noweda	Methylrosanilinium ch...	9238104	1
Noweda	Methylrosanilinium ch...	12H28-N06	1
Noweda	Methylrosanilinium ch...	9238101	1
Noweda	Metronidazole	13214025	1
Noweda	Metronidazole	11J07-N07	2
Noweda	Metronidazole	12110404	1
Noweda	Miconazole nitrate	12A16-N02	8
Noweda	Minoxidil	12C29-N05	6
Noweda	Molecular distilled g...	11160010	1
Noweda	Nettle leaf, cut	41010712	1
Noweda	Nettle leaf, cut	10375901	5
Noweda	Nettle leaf, cut	262338	1
Noweda	Nicotinamide	12133403	3
Noweda	Nystatin	1207009-01	9
Noweda	Oat straw, cut	11280003	1
Noweda	Oxalic acid	12212402	1
Noweda	Paraffin, hard	11363206	2
Noweda	Paraffin, microcrysta...	12266304	2
Noweda	Passionflower herb, cut	10079510	1
Noweda	Patent blue V, E131	10273001	1
Noweda	Patent blue V, E131	11138402	1
Noweda	Peppermint leaf, cut	2911U-01505	1
Noweda	Peppermint leaf, cut	11294411	2
Noweda	Phenylephrine hydroch...	12F01-N20	3
Noweda	Pilocarpine hydrochlo...	11037801	1
Noweda	Pilocarpine hydrochlo...	10CD04	1
Noweda	Potassium hydrocarbon...	1004019-01	1
Noweda	Povidone iodine	G0354BPZ0	1
Noweda	Prednisolone 1:10 (ri...	11L13-N06	1
Noweda	Prednisolone acetate	11I09-N08	2
Noweda	Primrose root, cut	12064504	7
Noweda	Propranolol hydrochlo...	155.288	1
Noweda	Quinoline yellow	11D13-N01	1
Noweda	Raspberry leaf, cut	12103101	11
Noweda	Resocinol	1318b09291533	1
Noweda	Restharrow root, cut	11103102	1
Noweda	Restharrow root, cut	272831	3
Noweda	Rhubarb, cut	6891B100421	1
Noweda	Ribwort plantain, cut	251029	1
Noweda	Ribwort plantain, cut	10315712	4
Noweda	Rice starch	14023203	4
Noweda	Rose hips peel, cut	275394	3
Noweda	Roselle	11036507	2
Noweda	Sage leaf, cut	11347511	9
Noweda	Sage leaf, cut	11056119	2
Noweda	Salbutamol sulfate	13K12-N02	1
Noweda	Salicylic acid	12036210	4
Noweda	Salicylic acid	11197123	9
Noweda	Salicylic acid	11311903	3
Noweda	Salicylic acid	11197105	1
Noweda	Salicylic acid	1110020-01	4
Noweda	Senna leaf, cut	11277305	2
Noweda	Shepherd's purse, cut	11036409	1

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Supplier	Substance	Batch	Spectra
Noweda	Sodium citrate	1205026-01	1
Noweda	Sodium citrate	11127001	1
Noweda	Sodium hydrogen carbo...	11197801	1
Noweda	Sorbic acid	12038020	8
Noweda	Spironolactone	1101013-0	1
Noweda	Stemless carline root	11198101	1
Noweda	Sucrose	10179620	1
Noweda	Sucrose	12241801	2
Noweda	Tall golden rod, cut	11207014	2
Noweda	Tall golden rod, cut	11280306	4
Noweda	Tannin	11G01-N08	1
Noweda	Tetracaine hydrochlor...	1106035-02	1
Noweda	Tetracaine hydrochlor...	120700-02	1
Noweda	Thyme, rubbed	11345002	4
Noweda	Thyme, rubbed	521303908	1
Noweda	Thyme, rubbed	11345007	6
Noweda	Thyme, rubbed	11345014	17
Noweda	Thymol	12k01-no2	1
Noweda	Tonka beans	1040A111026	1
Noweda	Tretinoin	15F01-B06-315491	1
Noweda	Tretinoin	1008021-02	2
Noweda	Triamcinolone acetonide	13K15-B31-289029	6
Noweda	Triamcinolone acetonide	12301506	2
Noweda	Triclosan	13247903	3
Noweda	Triclosan	12359107	2
Noweda	Triclosan	15203603	13
Noweda	Trometamol	12113502	4
Noweda	Urea	4109M-02544	1
Noweda	Valerian root, cut	11103609	6
Noweda	Wax, yellow	15023002	1
Noweda	Wax, yellow	11308305	2
Noweda	Willow bark, cut	4609A-01305	1
Noweda	Willowherb, small flo...	10326106	3
Noweda	Xylometazoline hydroc...	12027902	1
Noweda	Yarrow herb, cut	12378603	1
Noweda	Zedoary root, cut	11091605	4
Noweda	Mannitole	1205016-02	10
Noweda 10.02.2015	Glucose monohydrate	14334802	10
Noweda 17.07.2015	Hydrocortisone acetate	14301403	3
Noweda 19.05.2015	Estriol	14272104	1
Noweda 24.08.2015	Triamcinolon, microni...	14B13-B30-293474	2
Noweda 30.09.2014	Clioquinol	13114422	8
Noweda/ Fischar	Tartaric acid	702061	2
Noweda/Anzag	Clobetasol propionate	13269504	9
Noweda29.04.2015	Chloral hydrate	15083701	2
Noweda29.04.2015	Mannitole	14323113	2
NWM CHina	Estriol	ES150304	1
NWM CHina	Pregnenolone	PR150329	1
NWM CHina	Testosterone	TE150402	1
NWM Shandong Northwes...	Prasterone	PST151207	1
NWM Shandong Northwes...	Pregnenolone	PRN151219	1
Oberlinden Apotheke	Betamethasone valerate	C0073/115040	3
Oberlinden Apotheke	Clotrimazole	201401300378	2
Oberlinden Apotheke	Triamcinolone acetonide	B0544/114010	1
Oberlinden- Apotheke	Triamcinolone acetonide	U0544/113530	1
Oberlinden-Apotheke	Triamcinolone acetonide	U0544/1	1
Otto Fischar	Tartaric acid	705061	2
Otto Fischar	Triamcinolone acetonide	12301517	1
Otto Fischer	Tartaric acid	7020601	1
Otto Fischer GmbH	Citric acid, anhydrous	6492061	2

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Supplier	Substance	Batch	Spectra
Otto Fischer GmbH	Sodium hydrogen carbo...	6521021	1
Penny	Sucrose	L12513800	3
Penny Markt	Sucrose	201L113530100	3
Penny Markt	Sucrose	L120628000	3
Penny Markt	Sucrose	L120404100	3
Penny Markt	Sucrose	L120325600	2
Penny Markt	Sucrose	L120612100	3
Peter Kölln	Lactose monohydrate	229719241-0640	1
Pfannenschmidt	Lithium orotate monoh...	ORL00212	5
Pfeifer/Langen	Sucrose	L03144N	1
Ph.Eur.7,0	Triamcinolone acetonide	12301518	6
Phagron	Mannitole	1302C004-279405	2
Phagron/Ph	Aluminium chloride he...	11I23-N06	1
Phagron/Ph	Minoxidil	11E17-N07	3
Pharma Greven	Ascorbic acid	D201503108	1
Pharmachem.Pößneck/Ph...	Amphetamine sulfate	13G08-N11	4
Pharmachem.Pößneck/Ph...	Clotrimazole	12100039-02	1
pharm-a-speres	Sucrose	8731003	1
pharmorgana	Ascorbic acid	1304413505	1
Pharmorgana	Calcium orotate dihyd...	ORC00113	1
Pharmorgana	Calcium orotate dihyd...	ORC00213	1
Pharmorgana	Caromix	cmx-PL101112	1
Pharmorgana	Copper orotate dihydr...	CH-565313	1
Pharmorgana	L-threonine	100110839	1
Pharmorgana	L-tryptophan	1000140147	1
Pharmorgana	Taurine	1000140138	1
phnoix	Neomycin sulfate	130303301	1
phoenix	Chlorhexidine diacetate	12142704	5
phoenix	Testosterone propionate	12163615	2
Phoenix	Acetylsalicylic acid	13324107	1
Phoenix	Alfatradiol	12D19-N03	1
Phoenix	Aluminium chloride he...	11/23-N06	4
Phoenix	Aluminium chloride he...	13D22-N09	34
Phoenix	Ambroxol hydrochloride	1604035-02	2
Phoenix	Betamethasone dipropi...	13236806	3
Phoenix	Butylated hydroxytolu...	15426801	2
Phoenix	Butylated hydroxytolu...	3111201	1
Phoenix	Butylated hydroxytolu...	12382305	1
Phoenix	Camphor	15316811	3
Phoenix	Carbomer 35000 / 50000	13194505	4
Phoenix	Cetostearyl alcohol	14322505	1
Phoenix	Chlortetracycline hyd...	110805102	2
Phoenix	Citric acid, anhydrous	12b01-N01	1
Phoenix	Clioquinol	13114408	6
Phoenix	Clobetasol propionate	13K08B30287728	1
Phoenix	Clotrimazole	14c04b31	1
Phoenix	Dexamethasone	15I04-B04	1
Phoenix	Dexamethasone	13084313	4
Phoenix	Dexamethasone	10369928	1
Phoenix	Dexamethasone	13g08n13	1
Phoenix	Diltiazem hydrochloride	13346902	5
Phoenix	Elder flower, rubbed	10291309	3
Phoenix	Erythromycin	15042811	2
Phoenix	Erythromycin	14044106	1
Phoenix	Fenugreek	11313206	5
Phoenix	Fructose	15I21-B01	1
Phoenix	Gentian root, cut	6311B120104	1
Phoenix	Glucose, anhydrous	15329010	2
Phoenix	Glucose, anhydrous	16050503	4
Phoenix	Glucose, anhydrous	12294517	3

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Supplier	Substance	Batch	Spectra
Phoenix	Hydrochlorothiazide	15231003	2
Phoenix	Hydrocortisone acetate	15A30-B09	1
Phoenix	Hydrocortisone acetate	15J28-B12	1
Phoenix	Hydrocortisone acetate	1568/05131813	1
Phoenix	Hypromellose 4000	13E02-B03	1
Phoenix	Hypromellose 4000	14c05-b03-294708	1
Phoenix	Hypromellose 4000	16B16-B07	1
Phoenix	Iodoform	12150908	6
Phoenix	Juniper		1
Phoenix	Lactose monohydrate	1404PLV-1928	4
Phoenix	Macrogol 4000	12258901	1
Phoenix	Macrogol 4000	16023905	3
Phoenix	Magnesium sulfate hep...	12L10-N07	14
Phoenix	Mannitole	15197314	2
Phoenix	Melatonin	15C20-B01	1
Phoenix	Menthol	1403022-02	9
Phoenix	Methadone hydrochloride	15244715	1
Phoenix	Methoxsalen	14F06-B05-296502	1
Phoenix	Metronidazole	16089201	1
Phoenix	Metronidazole		1
Phoenix	Metronidazole	121203002	1
Phoenix	Miconazole nitrate	13185611	14
Phoenix	Minoxidil	1602013-02	5
Phoenix	Nicotinamide	1211031-02	2
Phoenix	Paraffin, hard	15295410	2
Phoenix	Phenylephrine hydroch...	15F09-B08	1
Phoenix	Potassium citrate	1326PLV-1739	1
Phoenix	Potassium citrate	15148708	1
Phoenix	Potassium hydrocarbon...	12141915	5
Phoenix	Potassium sorbate	1397235	1
Phoenix	Prednisolone acetate	11158007	2
Phoenix	Prednisolone, microni...	11j26-N04	2
Phoenix	Raspberry leaf, cut	10136409	1
Phoenix	Sage leaf, cut	231C130326	1
Phoenix	Salicylic acid	12H10-No8	1
Phoenix	Sildenafil citrate	1311010-04	2
Phoenix	Sodium cyclamate	787/03100611	1
Phoenix	Sodium edetate	15427704	2
Phoenix	Sodium hydrogen carbo...	13B18-N03	1
Phoenix	Sodium salicylate, po...	12158309	1
Phoenix	Sodium tetraborate	1603043-01	1
Phoenix	Sorbic acid	11203813	1
Phoenix	Tall golden rod, cut	265283	2
Phoenix	Tartaric acid	12K29B01	1
Phoenix	Tartaric acid	12Ho2-N07	1
Phoenix	Tartaric acid	12044115	1
Phoenix	Tetracaine hydrochlor...	15437104	12
Phoenix	Tretinoin	15F01-B06-317884	1
Phoenix	Triamcinolone acetoneide	13126-N11	2
Phoenix	Triclosan	16084614	5
Phoenix	Tropicamide	14L04-B02	2
Phoenix	Urea	15154113	7
Phoenix	Wax, bleached	15292003	3
Phoenix	Zedoary root, cut	13010104	2
PHOENIX am 18.03.2014	Progesterone, microni...	13A02-N01	10
Phoenix 03.04.2014	Melatonin	12J19-N02	1
Phoenix 04.03.14	Ephedrine hydrochloride	1332303	1
Phoenix 05.07.2014	Guaifenesin	1402023-01	2
Phoenix 05.08.2014	Fructose	FR1336122	3
Phoenix 07.04.2014	Citric acid, anhydrous	700309-0003	4

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Supplier	Substance	Batch	Spectra
Phoenix 08.07.2014	Potassium citrate	13317624	1
PHOENIX 10.03.2014	Gentamicin sulfate	1305047	1
PHOENIX 10.03.2014	Propyl-4-hydroxybenzo...	11373526	2
Phoenix 11.03.2013	Triamcinolone acetonide	12301508	6
Phoenix 14.05.2012	Macrogol 4000	11H01-N04	1
PHOENIX 18.02.14	Methoxsalen	1306041-01	4
Phoenix 19.08.2010	Clindamycin hydrochlo...	2908019-01phoen	1
Phoenix 20.06.2014	Xylose	13A31-B04-292396	1
Phoenix 21.02.2013	Minoxidil	12023901	3
Phoenix 22.03.13	Magnesium orotate dihydro...	1209029-01	4
PHOENIX 22.08.2014	Lidocaine	13J30-B02-287640	1
Phoenix 22.5.14	Epinephrine hydrogen ...	12337804	1
Phoenix 23.11.12	Equisetum stem, cut	12288801	9
PHOENIX 24.07.2014	Wax, yellow	13001206	1
PHOENIX 25.04.2014	Chloramphenicol	1308017-02	15
Phoenix 25.07.2012	Carbomer 35000 / 50000	11351605	3
Phoenix 26.03.2013	Tetracaine hydrochlor...	12019809	1
PHOENIX 26.03.2014	Thymol	14025802	4
Phoenix 28.03.2014	Progesterone, microni...	13G11-N02	12
PHOENIX 29.01.2013	Diphenhydramine hydro...	120208	1
Phoenix 29.11.12	Clobetasol propionate	700225	2
PHOENIX 30.05.2014	Glucose, anhydrous	13329514	1
PHOENIX 30.06.2014	Ascorbyl palmitate	UQ21206229	1
Phoenix 30.07.2012	Magnesium (hydrogen) ...	1202034-01	4
PHOENIX 31.01.2014	Tobramycin sulfate	1202006-01	1
Phoenix am 03.12.2010	Bearberry leaf, cut	4910B-1518	1
PHOENIX am 05.07.2012	Betamethasone valerate	1008012-03	1
PHOENIX am 08.06.2012	Common wormwood herb,...	12016703	1
Phoenix am 11.06.2012	Hydrocortisone	11260310	1
Phoenix am 11.06.2012	Sage leaf, cut	2301A110204	11
PHOENIX am 12.06.2012	Tosylchloramide sodium	181970-0001	1
PHOENIX am 14.05.2012	Artichoke leaf, cut	11151905	1
Phoenix am 19.06.2012	Tretinoin	11K01-N02	1
Phoenix am 30.01.2013	Matricaria flower	1290A	1
Phoenix goettin	Acetylcysteine	1208026-01	1
Phoenix goettin	Resocinol	13I18-B09-291534	1
Phoenix goettin	Tosylchloramide sodium	14183509	1
Phoenix Goettin	Dexamethasone	117113352302	1
Phoenix Goettin	Fructose	14E01-B04-293505	5
Phoenix Goettin	Sodium edetate	13G15-N03	1
Phoenix Goettin	Sodium edetate	13G15-N03	1
Phoenix Goettin	Tetracaine base	14G30-B08-297306	1
Phoenix Goettin	Xylose	13133422	1
Phoenix goettingen	Salicylic acid	14300808	2
Phoenix goettingen 08...	Wax, yellow	15098901	2
Phoenix, 04.09.2012	Nettle leaf, cut	12195002	4
Phoenix, 13.09.2012	Erythromycin	1195305	1
Phoenix, 13.09.2012	Thyme, rubbed	44622A120111	1
Phoenix, 18.09.2012	Diphenhydramine hydro...	12F28-N01	2
Phoenix, Jembke	Bismuth gallath, basic	10135101	1
Phonix	Captopril	14B26-B01	2
Phonix	Poloxamers 407	12/13-N10	1
phönix	Chlorhexidine diacetate		1
phönix	Clotrimazole	11305513	10
phönix	Gentamicin sulfate	1214605	1
phönix	Hydrocortisone	14301306	2
phönix	Hydrocortisone		2
phönix	Minoxidil		1
phönix	Propranolol hydrochlo...	2/AKD3	1
phönix	Tannin	15/AKD65	1

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Supplier	Substance	Batch	Spectra
Phönix	Acetylcysteine	1208026	1
Phönix	Acetylsalicylic acid	13324114	1
Phönix	Acetylsalicylic acid	12145402	1
Phönix	Aluminium chloride he...	12/27-N01	7
Phönix	Aluminium potassium s...	110804902	1
Phönix	Aluminium potassium s...	14263801	1
Phönix	Amphetamine sulfate	13B11N04	1
Phönix	Atropine sulfate	15301607	1
Phönix	Benzocaine	13F06-N10	2
Phönix	Benzoic acid	13074605	4
Phönix	Betamethasone valerate	13091201	3
Phönix	Betamethasone valerate	12229807	1
Phönix	Betamethasone valerate	BV-BLT186/0512	1
Phönix	Betamethasone valerate	13091209	6
Phönix	Birch leaf, cut	1901120802	1
Phönix	Bismuth gallath, basic	12-13-N11	1
Phönix	Calcium citrate tetra...	1207006-01	5
Phönix	Calcium citrate tetra...	1111036-01	5
Phönix	Calcium gluconate	1606034-01	2
Phönix	Camphor	13K28-B04	2
Phönix	Centaury, cut	11093612	2
Phönix	Chloramphenicol	1436907	1
Phönix	Chloramphenicol	13A1-802	1
Phönix	Chloramphenicol	10341716	1
Phönix	Chloramphenicol	13080921	2
Phönix	Chloramphenicol	10341710	1
Phönix	Chlorhexidine diacetate	Retest09113916	1
Phönix	Chlorhexidine diacetate	9113916	2
Phönix	Cinchocaine hydrochlo...	13E13-N07	1
Phönix	Cinnamon rods (Ceylon...	610A130927	1
Phönix	Citric acid monohydrate	10111503	2
Phönix	Clindamycin hydrochlo...	12H30-N04	2
Phönix	Clindamycin hydrochlo...	15392803	1
Phönix	Clioquinol	14C21-B06	2
Phönix	Clioquinol	14C21-B08	2
Phönix	Clobetasol propionate		1
Phönix	Coltsfoot leaf, cut	278296	2
Phönix	Common broom herb, cut	12358801	2
Phönix	Creatine	mysjhskeu	1
Phönix	Dandelion herb with r...	6611B110131	2
Phönix	Dequalinium chloride	10127-N02Retest	1
Phönix	Dexamethasone	120303201	1
Phönix	Dexamethasone	12033306	2
Phönix	Dexamethasone acetate		1
Phönix	D-galactose	39223PF3	2
Phönix	D-galactose	12223PF4	2
Phönix	Diltiazem hydrochloride	13196104	9
Phönix	Diltiazem hydrochloride	13196106	4
Phönix	Emulsifying cetostear...	1323305	1
Phönix	Ephedrine hydrochloride	13323315	1
Phönix	Equisetum stem, cut	12288807	2
Phönix	Erythromycin	120503501	1
Phönix	Fructose	13A28-N01	12
Phönix	Furosemide	12a18-n03	1
Phönix	Gentamicin sulfate	11113309	1
Phönix	Gentamicin sulfate	13189611	12
Phönix	Gentian root, cut	6311B120315	8
Phönix	Gentian root, cut	269197	2
Phönix	Ginger, peeled	13310601	1
Phönix	Glucose monohydrate	1210334-02	1

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Supplier	Substance	Batch	Spectra
Phönix	Glucose, anhydrous	13178701	1
Phönix	Histamine dihydrochlo...	12e29n09	1
Phönix	Hydrocortisone	11119-N03	1
Phönix	Hydrocortisone	13341508	4
Phönix	Hydrocortisone acetate	1112031-02	14
Phönix	Hydrocortisone acetate	1107004-01	1
Phönix	Hydrocortisone acetate	AKD8	1
Phönix	Hydrocortisone acetate	110700403	1
Phönix	Hydrocortisone acetate	12K15-No4	1
Phönix	Hydrocortisone acetate	14144804	7
Phönix	Hydroquinone	13105408	8
Phönix	Hydroxyethylcellulose...	13L04-B03-289115	2
Phönix	Hydroxyethylcellulose...	111002403	1
Phönix	Hyssop herb, cut	11374306	1
Phönix	Ivy leaf, cut	11101102	1
Phönix	Java tea, cut	12225701	1
Phönix	Juniper	13020903	1
Phönix	Ketoconazole	12171018	1
Phönix	Ketoconazole	13179602	3
Phönix	Lactose monohydrate	14025616	5
Phönix	Lime flower, cut	1611A12120	1
Phönix	Liquorice root, natur...	276425	1
Phönix	Macrogol 1500	14072402	1
Phönix	Male speedwell wort, ...	13089201	4
Phönix	Mannitole	12051601	1
Phönix	Mannitole	120501602	2
Phönix	Matricaria flower	1300A120426	1
Phönix	Melilot herb, cut	1237903	1
Phönix	Melissa leaf, cut	2161A150324	1
Phönix	Menthol	12246204	2
Phönix	Methyl-4-hydroxybenzo...	2AKD3	1
Phönix	Metronidazole	15253018	4
Phönix	Metronidazole	13214017	3
Phönix	Mometasone furoate, m...	15b11-b03-30412	1
Phönix	Mometasone furoate, m...	13/23-N02	3
Phönix	Mometasone furoate, m...	14E20-B04-291267	10
Phönix	Naloxone hydrochlorid...	13L12-B03-289511	1
Phönix	Naphazoline hydrochlo...	586550002	1
Phönix	Neomycin sulfate	1303033-02	14
Phönix	Nystatin	12017005	3
Phönix	Paraffin, microcrysta...	13274301	1
Phönix	Peppermint leaf, cut	2181A141016	1
Phönix	Potassium citrate	12135310	4
Phönix	Povidone iodine	1110013-02	8
Phönix	Prednisolone acetate	13262605	17
Phönix	Prednisolone acetate	11158008	1
Phönix	Prednisolone hydrogen...	13H24-N04	1
Phönix	Prednisolone, microni...	13A07N14	1
Phönix	Prednisolone, microni...	15206103	1
Phönix	Prednisolone, microni...	14B18-B05-294966	9
Phönix	Prednisone	11D08-N05	1
Phönix	Progesterone, microni...	15319604	1
Phönix	Rhubarb, cut	12211905	5
Phönix	Rose hips with peel, ...	2841B130523	1
Phönix	Rose hips with peel, ...	2841B130523	1
Phönix	Rose hips with peel, ...	10281021	1
Phönix	Salicylic acid	11311917	7
Phönix	Salicylic acid	11127-N05	1
Phönix	Salicylic acid	11311902	2
Phönix	Salicylic acid	68/AKD4	1

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Supplier	Substance	Batch	Spectra
Phönix	Salicylic acid	1509007-02	2
Phönix	Silverweed, cut	11328107	6
Phönix	Sodium benzoate	1510044/01	1
Phönix	Sodium carbonate deca...	13036904	2
Phönix	Sodium edetate	13E15-B10	1
Phönix	Sodium edetate	13G15-N03	4
Phönix	Sodium hydrogen carbo...	206027	2
Phönix	Sodium hydrogen carbo...	13390515	1
Phönix	Sodium monohydrogenph...	1302800,	1
Phönix	Sodium monohydrogenph...	13028101	1
Phönix	Spironolactone	1101013-03	1
Phönix	Stearic acid 50	1224915	1
Phönix	Sulfacetamide	11085910	1
Phönix	Talcum powder	10148805Retest	1
Phönix	Tannin	10313107Retest	1
Phönix	Tartaric acid	12286904	2
Phönix	Tartaric acid	1106023-01	1
Phönix	Tartaric acid	11e24-n06	1
Phönix	Testosterone propionate	1103010-02	1
Phönix	Testosterone propionate	15444702	1
Phönix	Testosterone propionate	12163613	1
Phönix	Testosterone propionate	13K25-B05	1
Phönix	Tetracaine base	11g12-n13	1
Phönix	Tetracaine base	1303018-01	1
Phönix	Tetracaine base	3465093	2
Phönix	Thymol	11358610	2
Phönix	Tretinoin	14D09-B04-293224	2
Phönix	Triamcinolon, microni...	NS0608M	1
Phönix	Triamcinolone acetonide	14355703	1
Phönix	Triamcinolone acetonide	13379902	2
Phönix	Triclosan	13L8-B35	1
Phönix	Triclosan	14F23-Bo2-29575	1
Phönix	Urea	15087110	14
Phönix	Wax, yellow	15317609	6
Phönix	Wormwood herb, cut	12355806	4
Phönix	Yarrow herb, cut	1237962	1
Phönix	Yarrow herb, cut	13029103	17
PHÖNIX	Dexamethasone	15K17-B07	1
PHÖNIX	Gentamicin sulfate	15226514	1
PHÖNIX	Mannitole	16212102	1
PHÖNIX	Methyl-4-hydroxybenzo...	15063819	1
Phönix	Aluminium potassium s...	13356108	1
Phönix	Sorbic acid	1171	1
Phönix 01.12.12	Ephedrine hydrochloride	12017207	1
Phönix 02.01.15	Melatonin	13H21-N06	1
Phönix 04.03.13	Saponaria root, cut	6561B111108	1
Phönix 04.03.2013	Sodium benzoate	12J23-N05	7
Phönix 04.03.2014	D-galactose	*6878838-13507	1
Phönix 05.10.2012	Calendula flower, cut	121005	1
Phönix 05.11.2012	Sorbitol	1112010-01	1
Phönix 05.11.2013	Ephedrine hydrochloride	12017223	2
Phönix 05.12.12	Betamethasone dipropi...	12114505	1
Phönix 10.01.2013	Dexamethasone	12165803	2
Phönix 10.01.2014	Senna leaf, cut	13136707	1
Phönix 10.07.2013	Common wormwood herb,...	12016711	3
Phönix 11.11.2014	Chloramphenicol	12448509	1
Phönix 12.10.13	Knotgrass, cut	12368906	3
Phönix 13.05.2013	Gelatine, white	12332564	1
Phönix 13.05.2013	Lidocaine	12B27-N04	1

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Supplier	Substance	Batch	Spectra
Phönix 13.05.2013	Methoxsalen	11376401	2
Phönix 13.05.2013	Sucrose	1256433	1
Phönix 13.11.12	Diltiazem hydrochloride	11A17-N13	1
Phönix 17.09.12	Arginine	1110017-01	1
Phönix 18.09.12	Sodium benzoate	1204011-01	2
Phönix 18.10.2013	Sodium dihydrogen pho...	12198512	1
Phönix 19.12.2012	Sodium citrate	12/10-N01	1
phönix 22.01.2013	Yarrow herb, cut	271873	1
Phönix 22.11.2012	Isosorbide dinitrate ...	11F28-N05	2
Phönix 23.08.2012	Bearberry leaf, cut	23910B120314	1
Phönix 24.09.2012	Mistletoe, cut	120924	1
Phönix 27.03.2013	Calcium chloride dihy...	1107010-02	1
Phönix 29.03.2012	Lidocaine	9205906	1
Phönix 30.08.2012	Erythromycin	11195305	1
Phönix 31.10.12	Passionflower herb, cut	12031701	2
phönix 4.12.2013	Methyl-4-hydroxybenzo...	1212011/01	1
Phönix Caesar u. Loretz	Hydrocortisone	13225507	1
Phönix Gotha	Bacitracin	C2280010	1
Phönix Gotha	Betamethasone dipropi...	11/02-N01	1
Phönix Gotha	Betamethasone valerate	14188608	3
Phönix Gotha	Chloral hydrate	13F06-N07	4
Phönix Gotha	Chloral hydrate	14038302	1
Phönix Gotha	Citric acid, anhydrous	12B01-N012125/6000	1
Phönix Gotha	Citric acid, anhydrous	13050609	1
Phönix Gotha	Citric acid, anhydrous	12B01-N011973/6000	1
Phönix Gotha	Citric acid, anhydrous	13A04-N040049-100	1
Phönix Gotha	Citric acid, anhydrous	12B01-N012028/6000	1
Phönix Gotha	Clotrimazole	1108053-01	8
Phönix Gotha	Dexamethasone	9383629	1
Phönix Gotha	Dexamethasone	13352311	2
Phönix Gotha	Gentamicin sulfate	12146611	13
Phönix Gotha	Gentamicin sulfate	10017817	1
Phönix Gotha	Gentamicin sulfate	12163207	5
Phönix Gotha	Goat's rue, cut	11307905	1
Phönix Gotha	Griseofulvin	140410	2
Phönix Gotha	Griseofulvin	12D04-N12	2
Phönix Gotha	Hydrocortisone	12104309	4
Phönix Gotha	Hydrocortisone acetate	12330103	12
Phönix Gotha	Lidocaine	15A15-B01-304284	5
Phönix Gotha	Lidocaine	12C08-N11	2
Phönix Gotha	Marjoram herb, rubbed	11212709	1
Phönix Gotha	Melatonin	11267110	3
Phönix Gotha	Mometasone furoate, m...	1403015-01	3
Phönix Gotha	Nystatin	4014941	1
Phönix Gotha	Oxytetracycline hydro...	1232814	1
Phönix Gotha	Papaverine hydrochlor...	9157221	1
Phönix Gotha	Papaverine hydrochlor...	13324306	1
Phönix Gotha	Papaverine hydrochlor...	12166101	1
Phönix Gotha	Potassium sorbate		1
Phönix Gotha	Prednisolone, microni...	12324204	5
Phönix Gotha	Prednisolone, microni...	12185702	4
Phönix Gotha	Prednisolone, microni...	13343112	4
Phönix Gotha	Procaine hydrochloride	190311	1
Phönix Gotha	Quinolinol sulfate po...	120905	4
Phönix Gotha	Quinolinol sulfate po...	120905	36
Phönix Gotha	Resocinol	10218802	1
Phönix Gotha	Saccharin sodium	1I12-N04	1
Phönix Gotha	Sodium citrate	52666276	1
Phönix Gotha	Sodium monohydrogenph...		1
Phönix Gotha	Sodium thiosulfate pe...	10E07-N13	1

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Supplier	Substance	Batch	Spectra
Phönix Gotha	Sorbitol	10383330	1
Phönix Gotha	Sorbitol	11379332	3
Phönix Gotha	Testosterone	1408015-01	1
Phönix Gotha	Triamcinolone acetoneide	11267711	2
Phönix Gotha	Trometamol	1319-B02-286158	1
Phönix Gotha	Urea	12111806	13
Phönix Gotha	Urea	V096/2012	1
Phönix Gotha	Urea	13064202	17
Phönix, 02.11.2012	Glucose, anhydrous	12141715	5
Phönix, 12.11.2012	Lidocaine	12163801	6
phönix, 13.06.2012	Calcium chloride dihy...	11230918	1
phönix, 14.01.2013	Hop strobile	130114	1
Phönix, 14.10.2013	Mometasone furoate, m...	12351207	1
phönix, 14.11.2012	Tetracaine base	12F-29-N05	1
Phönix, 15.01.2013	Aluminium potassium s...	12I24-M03	1
phönix, 19.11.2012	Gentamicin sulfate	1160616-03	1
phönix, 19.12.2012	Sodium edetate	11L13-N02	1
Phönix, 31.10.2012	Melatonin	11267109	5
Phönix, 02.11.2012	Chloral hydrate	12C26-M06	1
phönix, 13.12.2012	Methyl-4-hydroxybenzo...	1205025-01	1
phönix, 29.10.12	Fructose	1205022-01	3
Phönix/	Alchemilla, cut	14066009	2
Phönix/	St. John's wort, cut	14065707	1
Phönix/Euro	Lactose monohydrate	1301028-02	17
Phönix/Euro	Magnesium chloride he...	1208025-01	2
Phönix/Euro	Testosterone propionate	110301002	1
Phönix/Euro	Tetracycline hydrochl...	1402030-01	7
Phönix/Maros	Methoxsalen	11376408	2
Phytocomm	Erythromycin	1203ery	1
Phytocomm	Hard fat in pastilles	209314	2
Polpharma/Phoenix	Sildenafil citrate	131101001	1
Post-Apotheke	Calcium citrate tetra...	11349313	2
Post-Apotheke	Citric acid, anhydrous	11380207	1
Post-Apotheke	Minoxidil	11302005	3
Post-Apotheke	Pyridoxine hydrochlor...	10026903	1
Post-Apotheke 22.01.2...	Camphor	11032012	1
Premium Ingredients I...	Ascorbic acid	2012444403	1
Productos Quimicos	D-(+)-mannose	16000524	1
Productos Quimicos	Sodium tetraborate	16000597	1
Purren Apotheke	Hard fat in pastilles	10I03-N08	1
Purren Apotheke	Heavy alkaline bismut...	11H31-N06	1
Raben-Apotheke Mildena	Clobetasol propionate	13k08-b30-287727	1
Raben-Apotheke Mildena	Dequalinium chloride	1405012-01	4
Raben-Apotheke Mildena	Dexamethasone	1303007-01	24
Raben-Apotheke Mildena	Propyphenazone	12039103	2
Raben-Apotheke Mildena	Urea	13J17-Bo2-287604	1
REWE Food Ingredients	Ascorbic acid	11572008237103	1
RFI Food Ingredients	Potassium sorbate	2006383927	1
Rhodia GmbH/Noweda	Vanillin	12D02-N03	1
Richter	Common wormwood herb,...	b200112	1
Richter	Elecampane rhizome, cut	P158683	1
Richter	Gentian root, cut	P200907	1
Richter	Ground ivy herb, cut	s99/09	1
Richter	Lungwort herb, cut	P195884	1
Rondell Apotheke	Caffeine citrate	15A05-B03-307309	1
Rondell Apotheke	Glucose, anhydrous	15329003	1
Rondell Apotheke	Lactose monohydrate	1509030-01	4
Rondell Apotheke	Lidocaine	15332304	1
Rondell Apotheke	Polymyxin B sulfate	121161	1
Rondell Apotheke	Tetracaine base	1312034-01	1

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Supplier	Substance	Batch	Spectra
Rondell Apotheke	Triclosan	11965460	1
Ruth	D-galactose	142185443	1
S.Binder	Dequalinium chloride	1210008-04	1
s.Prüfprotokoll	Benzocaine	s.Prüfprotokoll	1
s.Prüfprotokoll	Hydroxyethylcellulose...	s.Prüfprotokoll	1
s.Prüfprotokoll	Hydroxyethylcellulose...	s.Prüfprotokoll	1
s.Prüfprotokoll	Potassium sorbate	s.Prüfprotokoll	1
Safic	Amygdalin	12121302	1
Safic Alcan	Amygdalin	150117	1
SAFICALCAN	Amygdalin	BatchATA08041002	1
SAFICALCAN	Amygdalin	Test3.3.14	1
SAFICALCAN	Amygdalin	120141701	1
SAFICALCAN	Amygdalin	13041202/2.Tonne	1
SAFICALCAN	Amygdalin	13041202/1.Tonne	1
SAFICALCAN	Deoxycholic acid	413678	1
SAFICALCAN	Dimercaptosuccinic acid	20140618	1
SAFICALCAN	Glycyrrhizic acid	11592	1
Safic-Alcan Deutschla...	Amygdalin	18012-AD/1	1
Safic-Alcan Deutschla...	Amygdalin	17937-AA/1	1
Salfic-Alcan	Amygdalin	NSMPK06211-BAE	1
Salfic-Alcan	Amygdalin	BAE-150610	2
Sanacorb	Potassium citrate	12135311	3
sanacorp	Artichoke leaf, cut	12173301	1
sanacorp	Bismuth gallath, basic	13/1818B13-292057	1
sanacorp	Camphor	11074501	1
sanacorp	Dandelion herb with r...	11030310	1
sanacorp	Hard fat in pastilles	267773	1
sanacorp	Liquorice root, peeled	11351913	1
sanacorp	Mallow flower, cut	10357906	1
sanacorp	Marjoram herb, rubbed	11212701	1
sanacorp	Melilot herb, cut	10335409	1
sanacorp	Mullein flower, cut	11020706	1
sanacorp	Nettle leaf, cut	12184705	1
sanacorp	Oxalic acid	11098213	1
sanacorp	Red-Rose petal, cut	10306512	1
sanacorp	Rose hips with peel, ...	10281015	1
sanacorp	Shepherd's purse, cut	11010505	1
sanacorp	Solanum dulcamara ste...	9354603	1
sanacorp	Verbena herb, cut	12188201	1
Sanacorp	Allantoin	12374409	18
Sanacorp	Aluminium chloride he...	1210014-02	24
Sanacorp	Bearberry leaf, cut	2391B110209	3
Sanacorp	Benzocaine	13213506	1
Sanacorp	Betamethasone valerate	CH.-B.AKD73	1
Sanacorp	Betamethasone valerate	30051201	1
Sanacorp	Betony herb, cut	13048903	4
Sanacorp	Bilberry leaf, cut	2191A130410	1
Sanacorp	Blackcurrant leaf, cut	2251A110204	2
Sanacorp	Boric acid	1/AKD3	1
Sanacorp	Calcium citrate tetra...	111103601	1
Sanacorp	Camphor	444A130115	1
Sanacorp	Camphor	14224303	3
Sanacorp	Carbomer 35000 / 50000	6/AKD13	1
Sanacorp	Carbomer 35000 / 50000	14149911	2
Sanacorp	Carmellose sodium (40...	AKD6	1
Sanacorp	Cetostearyl alcohol	575778	1
Sanacorp	Cetyl palmitate 15	8/AKD12	1
Sanacorp	Cetyl palmitate 15	8/AKD13	1
Sanacorp	Chloramphenicol	41/AKD24	1
Sanacorp	Chloramphenicol	41/AKD23	1

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Supplier	Substance	Batch	Spectra
Sanacorp	Chlorhexidine diacetate	7/AKD6	1
Sanacorp	Chlorhexidine diacetate	CH.B.6AKD/1	1
Sanacorp	Citric acid monohydrate	1215937	1
Sanacorp	Citric acid, anhydrous	41/AKD4	1
Sanacorp	Citric acid, anhydrous	40/AKD2	1
Sanacorp	Citric acid, anhydrous	1216832	1
Sanacorp	Clioquinol	8/AKD4	1
Sanacorp	Clobetasol propionate	13g23n01	1
Sanacorp	Clotrimazole	109/AKD6	1
Sanacorp	Clotrimazole	13224214	12
Sanacorp	Clotrimazole	1230805	1
Sanacorp	Clotrimazole	109/AKD3	1
Sanacorp	Clotrimazole	105/AKD1	1
Sanacorp	Cocoa butter	AKD27	1
Sanacorp	Cocoa butter	AKD28	1
Sanacorp	Dandelion herb with r...	13108803	3
Sanacorp	Diltiazem hydrochloride	11J28-04511	1
Sanacorp	Diltiazem hydrochloride	13j24-b04-286569	1
Sanacorp	Diltiazem hydrochloride	14c12-b04-292757	1
Sanacorp	Diltiazem hydrochloride	11134115	5
Sanacorp	Diltiazem hydrochloride	11134121	3
Sanacorp	Diphenhydramine hydro...	12329805	1
Sanacorp	Emulsifying cetostear...	12J29-N04	5
Sanacorp	Emulsifying cetostear...	15090701	7
Sanacorp	Eosin yellowish	12E25-N01	5
Sanacorp	Erythromycin	CH.-B.59/AKD50	1
Sanacorp	Erythromycin	59/AKD51	1
Sanacorp	Erythromycin	60/AKD52	1
Sanacorp	Erythromycin	1205035-02	16
Sanacorp	Estradiol benzoate	10/AKD24	1
Sanacorp	Estradiol valerate	13264002	2
Sanacorp	Estriol	13D19-N05	1
Sanacorp	European golden rod, ...	12343103	1
Sanacorp	Feverfew herb, cut	12380201	3
Sanacorp	Fructose	K43537721	2
Sanacorp	Gentamicin sulfate	1205021	1
Sanacorp	Glucose monohydrate	12284230	4
Sanacorp	Glucose monohydrate	3/AKD100	1
Sanacorp	Goat's rue, cut	12017911	1
Sanacorp	Hydrochlorothiazide	12A03-B40-26111	1
Sanacorp	Hydrocortisone	42/AKD6	1
Sanacorp	Hydroquinone	12156703	1
Sanacorp	Hyssop herb, cut	13336101	6
Sanacorp	Ladys bedstraw herb,...	12369003	10
Sanacorp	Lime flower, cut	264045	1
Sanacorp	Lycopodium herb, cut	13101502	2
Sanacorp	Matricaria flower	1300A120725	2
Sanacorp	Menthol	6/AKD3	1
Sanacorp	Methadone hydrochloride	12344806	2
Sanacorp	Methadone hydrochloride	12171913	1
Sanacorp	Methoxsalen	1AKD6	1
Sanacorp	Metronidazole	39/AKD18	1
Sanacorp	Metronidazole	39/AKD6	1
Sanacorp	Metronidazole	CH.-B.39/AKD17	1
Sanacorp	Metronidazole	39AKD15	1
Sanacorp	Miconazole nitrate	CH.-B.4/AKD10	1
Sanacorp	Minoxidil	13179502	10
Sanacorp	Minoxidil	1210056-01	24
Sanacorp	Minoxidil	14093701	1
Sanacorp	Minoxidil	14093702	3

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Supplier	Substance	Batch	Spectra
Sanacorp	Minoxidil	120056-01	1
Sanacorp	Mometasone furoate, m...	1/AKD4	1
Sanacorp	Nettle root, cut	11265001	2
Sanacorp	Prednisolone, microni...	1212021	1
Sanacorp	Prednisolone, microni...	13j28-b06-289670	1
Sanacorp	Progesterone, microni...	C01-130504	1
Sanacorp	Propranolol hydrochlo...	12370712	1
Sanacorp	Propyl-4-hydroxybenzo...	AKD3	1
Sanacorp	Raspberry leaf, cut	13101604	2
Sanacorp	Raspberry leaf, cut	13038001	7
Sanacorp	Roselle	12267508	2
Sanacorp	Salicylic acid	68/AKD2	1
Sanacorp	Salicylic acid	123036223	1
Sanacorp	Salicylic acid	12374205	13
Sanacorp	Senna leaf, cut	13136701	2
Sanacorp	Sodium citrate	13089308	9
Sanacorp	Sodium citrate	1436407	1
Sanacorp	Sodium dodecyl sulfate	5/AKD1	1
Sanacorp	Sodium dodecyl sulfate	5/AKD6	1
Sanacorp	Sodium edetate	1505603	1
Sanacorp	Sodium edetate	6/AKD14	1
Sanacorp	Sodium hydrogen carbo...	12D11-N02	15
Sanacorp	Sodium monohydrogenph...	12345013	5
Sanacorp	Soy lecithin (instant...	14196305	1
Sanacorp	Spironolactone	1212034-01	1
Sanacorp	Spironolactone	12049103	2
Sanacorp	Spironolactone	11042612	1
Sanacorp	Sucrose	AKD5	1
Sanacorp	Tannin	CH. -B. AKD60	1
Sanacorp	Tannin	12171102	2
Sanacorp	Tetracaine hydrochlor...	15/AKD1	1
Sanacorp	Tetracaine hydrochlor...	1409026-01	7
Sanacorp	Tetracaine hydrochlor...	12019803	1
Sanacorp	Tetracycline hydrochl...	100403401	1
Sanacorp	Thiamine chloride hyd...	12340712	1
Sanacorp	Thymol	9E14-N16	1
Sanacorp	Thymol	1135816	1
Sanacorp	Tosylchloramide sodium	12H09-N01	3
Sanacorp	Tretinoin	1411016-02	8
Sanacorp	Tretinoin	1411016-01	10
Sanacorp	Tretinoin	12320302	1
Sanacorp	Tretinoin	12/06-N01	1
Sanacorp	Triamcinolon, microni...	100/AKD6	1
Sanacorp	Triamcinolone acetoni...	100/AKD4	1
Sanacorp	Triamcinolone acetoni...	1326N11	1
Sanacorp	Triamcinolone acetoni...	13124807	3
Sanacorp	Triclosan	CH. -B. 22/AKD25	1
Sanacorp	Triclosan	28/AKD4	1
Sanacorp	Triclosan	26/AKD1	1
Sanacorp	Triclosan	13247904	13
Sanacorp	Triclosan	13391807	9
Sanacorp	Trometamol	8386F030	1
Sanacorp	Trometamol	3686G018	1
Sanacorp	Urea	1212007	1
Sanacorp	Urea	63/AKD1	1
Sanacorp	Urea	1405028-01	1
Sanacorp	Urea	62/AKD50s	1
Sanacorp	Uridine	AP721060040/5U	3
Sanacorp	Vanillin	12H09-N06	4
Sanacorp	Wax, yellow	13378619	17

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Supplier	Substance	Batch	Spectra
Sanacorp	Wax, yellow	12%AKD2	1
Sanacorp	Wild pansy, cut	12221-01694	1
Sanacorp	Wild pansy, cut	278106	1
Sanacorp	Xylometazoline hydroc...	15037906	2
Sanacorp/ F	Griseofulvin	12B06-N07	1
Sanacorp/Phoenix	Spironolactone	13124315	8
Sanacorpaelo /Sanacorp	Cetyl alcohol	1AKS11	1
schubert / Phoenix	Lactose monohydrate	1334PLV-1775	1
schubert / Phoenix	Tartaric acid	1014PLV-755	1
Shandong northwest ma...	Alfatradiol	AEC151211	1
Shandong Northwest Ma...	Alfatradiol	AEC160522	1
Shandong Northwest Ma...	Estriol	ETL160302	1
Shandong Northwest Ma...	Estriol	ETL160419	1
Shandong Northwest Ma...	Finasteride (form III)	FNA160604	1
Shandong Northwest Ma...	Testosterone	GTJ160510	1
Shop	Calcium lactate penta...	1111001829	1
Siegfried Ltd, Divisi...	Methadone hydrochloride	15244712	1
siehe WE-Prüfprotokoll	8-quinolinol sulfate ...	96/09	1
siehe WE-Prüfprotokoll	Bismuth gallath, basic	4/09	1
siehe WE-Prüfprotokoll	Neomycin sulfate	19/12	1
siehe WE-Prüfprotokoll	Potassium sorbate	61/11	1
siehe WE-Prüfprotokoll	Procaine hydrochloride	39/12	1
siehe WE-Prüfprotokoll	Propyl-4-hydroxybenzo...	84/11	1
siehe WE-Prüfprotokoll	Soy lecithin (instant...	31/14	1
siehe WE-Prüfprotokoll	Uridine	54/11	1
Sigma-Aldrich	Sodium butyrate	Lot .091M-5302V	1
Sigma-Aldrich	Sodium propionate	SLBK5249V	1
Sino Phyto	Mannitole	12105403	4
Sino Phyto	Prednicarbate, micron...	13224401	7
Sino Phyto	Rose hips peel, cut	1290142	1
Sino Phyto	Urea	118900-0003	1
Soldan	Sucrose	25.03.2014	1
Soldan	Sucrose	243983	1
Soldan	Sucrose	232027	1
Sonnenberg-Apotheke	Captopril	14B26-B01-291557	3
Sonnenberg-Apotheke	Potassium sorbate	13224604	13
Sonnenberg-Apotheke	Prednicarbate, micron...	1607012-01	3
Spagyra	Sucrose	13061020529	1
Spagyra	Sucrose	13072620834	1
Spagyra	Sucrose	13070420936	1
Spagyra	Sucrose	13070420937	1
Spagyra	Sucrose	13070420938	1
Spagyra	Sucrose	13061220385	1
Spagyra	Sucrose	13041920152	1
Spagyra	Sucrose	13041920154	1
Spagyra	Sucrose	13050621773	2
Spagyra	Sucrose	13051520939	1
Spagyra	Sucrose	13051520941	1
Spagyra	Sucrose	13061020524	1
Spagyra	Sucrose	13061020525	1
Spagyra	Sucrose	13061020526	1
Spagyra	Sucrose	13061020528	1
Spagyra	Sucrose	13040921431	1
Spagyra	Sucrose	12082320717	1
Spagyra	Sucrose	12091120645	1
Spagyra	Sucrose	1210222892	1
Spagyra	Sucrose	12103020975	1
Spagyra	Sucrose	13012920302	1
Spagyra	Sucrose	13020620240	1
Spagyra	Sucrose	13030621373	1

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Supplier	Substance	Batch	Spectra
Spagyra	Sucrose	13040921424	1
Spagyra	Sucrose	13040921427	1
Spagyra	Sucrose	13040921430	1
Spangropharm	Glycerol monostearate...	80402468	1
Spangropharm	Lactose monohydrate	91444379	1
Spangropharm	Matricaria flower	11169606	2
Spangropharm	Metronidazole	11319818	7
Spangropharm	Mistletoe, cut	10273408	1
Spangropharm	Oxytetracycline hydro...	1111061-01	11
Spangropharm	Tartaric acid	10073111	1
Spinnrad	Cocoa butter	512300202	1
Spinnrad	Potassium sorbate	1901211748	1
Spinnrad	Potassium sorbate	815331022	1
Spinnrad	Potassium sorbate	912331023	6
Spinnrad	Potassium sorbate	312331021	3
Spinnrad	Potassium sorbate	1114331022	1
spinnrad gmbh	Potassium sorbate	1111331023	1
Spinnrad GmbH	Potassium sorbate	214331021	1
Spinnrad GmbH	Potassium sorbate	111033102	2
Spinnrad/Gehe	Potassium sorbate	315331021	3
Spirig	Testosterone	13406003	1
Staufen-Pharma	Sucrose	161112	2
Stefes	Tocomax 20%	111013	1
Stefes	Tocomax 20%	30613	1
Stockmeier Food	Calcium lactate penta...	2012331885	1
stumpf	Magnesium chloride he...	1301c012-277804	1
stumpf	Mannitole	1104028-02	1
Stumpf	Povidone iodine	11168612	2
Stumpf	Spironolactone	14378718	1
Supriya LifeScience L...	Pheniramine maleate	SLL/P/1213063	1
Supriya LifeScience L...	Pheniramine maleate	14C25-B01	1
Symbiotica	Clobetasol propionate	121021-01	1
Symbiotica	Betamethasone valerate	14H28B01302863	1
Symbiotica Spec./Phönix	Clobetasol propionate	1108044-04	25
Symbiotica Spec./Phönix	Clobetasol propionate	CL0-B12153/0711	1
Symbiotitica/Noweda	Clobetasol propionate	1606022-01	1
Symrise	D-(+)-mannose		1
Synopharm	Fructose	202A052	1
Synopharm am 10.09.2012	Methadone hydrochloride	12B21-No3	1
Synopharm am 10.09.2012	Tosylchloramide sodium	12323607	3
Synopharm/Anzag	Tannin	3411I-01052	1
Synopharm/Anzag	Tetracaine hydrochlor...	2712Q-02039	1
Synthexim/Phoenix	Clioquinol	13114415	4
Testmessung	Amygdalin	13011101	1
Testmessung	Amygdalin	13041202	1
Testmessung	Amygdalin	13041201	3
Th. Geyer	Amphetamine sulfate	PH10051	1
Th. Geyer	Amphetamine sulfate	56047	1
Th. Geyer	Amphetamine sulfate	67002	48
Th. Geyer	Amphetamine sulfate	67043	9
Th. Geyer	Calcium colamine phos...	33299	1
Th. Geyer	Calcium colamine phos...	14384	2
Th. Geyer	Calcium colamine phos...	7664	1
Th. Geyer	Calcium colamine phos...	260EXP1016	1
Th. Geyer	Codeine phosphate hem...	67038	2
Th. Geyer	Dihydrocodeine hydrog...	67035	2
Th. Geyer	Dihydrocodeine hydrog...	59819	1
Th. Geyer	Hydroxyethylcellulose...	13L04-B03	3
Th. Geyer	Methadone hydrochloride	67047	3
Th. Geyer	Methadone hydrochloride	67049	1

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Supplier	Substance	Batch	Spectra
Th. Geyer	Morphine hydrochloride	1415E-01879	1
Th. Geyer	Morphine hydrochloride	2615M-01879	1
Th. Geyer	Morphine hydrochloride	67036	5
Th. Geyer	Morphine hydrochloride	PH120087	1
Th. Geyer	Phenobarbital	67045	2
unbekannt	Dexamethasone	12D26-N09	3
unbekannt	Magnesium chloride he...	unbekannt	1
unbekannt	Ornithine hydrochloride	15000639	1
Unisa	Inositol hexanicotinate	22901	1
Unisan	Betamethasone, micron...	Retest09K25-N13	1
Unisan	Clioquinol	14/11-B03	1
Unisan	D-ribose	JXCZSJ13D-013	2
Unisan	Paraffin, hard	11166911	2
Unisan	Prednisolone, microni...	12K14N-N03	1
Unisan	Sodium citrate	S/WReferenzUmstell	1
v.d.l	Estradiol benzoate	10124913	3
v.d.l	Menthol		1
v.d.l	Mometasone furoate, m...	11h10-n04	2
VDL	Basil, rubbed	12007004	1
VDL	Boldo leaf, cut	11016503	1
VDL	Citric acid monohydrate	263669	1
VDL	Equisetum stem, cut	10328914	1
VDL	Primrose flower	11206806	1
VDL	Salicylic acid	11197122	1
VDL	Yellow chaste weed, cut	10244406	1
vedono	Rhubarb, cut	12211907	6
vedono	Roselle	12007313	1
vedono	Wild thyme, cut	11374807	2
Weltecke	Meadowsweet herb, cut	67010413	1
Weltecke	Thyme, rubbed	67101212	1
Weltecke / GEHE	Primrose flower	63011112	1
Wepa	Ascorbic acid	261120415	1
Wepa Paulus	Ascorbic acid	11406201	1
Werner	Sucrose	1901208731	2
Wolf	Alchemilla, cut	23187	4
Wolf	Alchemilla, cut	B-698	2
Wolf	Alchemilla, cut	E-822	1
Wolf	Alchemilla, cut	p931	1
Wolf	Calendula flower	23342	1
Wolf	Elder flower, rubbed	22749	2
Wolf	Elder flower, rubbed	22765	1
Wolf	Elder flower, rubbed	B-810	1
Wolf	Elder flower, rubbed	E-738	1
Wolf	Equisetum stem, cut	21879	3
Wolf	Equisetum stem, cut	B233885	2
Wolf	Lemon grass, cut	B654	1
Wolf	Lemon verbena leaf, cut	E-587	1
Wolf	Lemon verbena leaf, cut	B-312	1
Wolf	Lemon verbena leaf, cut	23635	1
Wolf	Lime flower, cut	22094	1
Wolf	Lime flower, cut	B449	1
Wolf	Marjoram herb, rubbed	B163516	6
Wolf	Marjoram herb, rubbed	163516	1
Wolf	Marjoram herb, rubbed	P232243	9
Wolf	Matricaria flower	23242	1
Wolf	Nettle leaf, cut		1
Wolf	Nettle leaf, cut	P234605	10
Wolf	Nettle leaf, cut	B-821	1
Wolf	Nettle leaf, cut	B821	1
Wolf	Peppermint leaf, cut	B243	1

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Supplier	Substance	Batch	Spectra
Wolf	Peppermint leaf, cut	P221379	7
Wolf	Peppermint leaf, cut	B-185	5
Wolf	Peppermint leaf, cut	B725	1
Wolf	Peppermint leaf, cut	B-725	2
Wolf	Raspberry leaf, cut	B-457	1
Wolf	Raspberry leaf, cut	P222676	1
Wolf	Raspberry leaf, cut	P201727	19
Wolf	Sage leaf, cut	B735	1
Wolf	Shepherd's purse, cut	B449	2
Wolf	St. John's wort, cut	B-455	2
Wolf	St. John's wort, cut	B-424	2
Wolf	St. John's wort, cut	206152	1
Wolf	St. John's wort, cut	B206152	1
Wolf	St. John's wort, cut	19468	2
Wolf	Yarrow herb, cut	230010	1
Wolf	Yarrow herb, cut	B230010	9
Wolf-Apotheke	Prednisolone acetate	14380911	1
x	Oxytetracycline hydro...		1
Xi'An Chongxin Natura...	Amygdalin	13031401	1
xx	Magnesium (hydrogen) ...	1058172	1
xxx	Camphor	709E-01221	1
xxx	Salicylic acid	4311A-01045	1
xxxxx	Mannitole	xxxx	1
Zentiva/Alliance Heal...	Ascorbic acid	15300007	1
-	Bitter orange flower ...	2011A-01445	1
21.08.2013	Calendula flower	1241130321	1
-	Chelidonium majus her...	810I-01632	1
-	Chicory herb, cut	4411I-01634	1
11.08.14 Phoenix	Diltiazem hydrochloride	13346901	9
1351 B 111207	Hawthorn flower	1351B111207	4
5N Plus Lübeck GmbH/ ...	Heavy alkaline bismut...	12146908	1
14026902	Hydroquinone	InterneCharge1214Q	1
-	Meadowsweet herb, cut	130849	1
-	Meadowsweet herb, cut	1511M-01685	1
10 17.07.2013	Melatonin	1231415	1
-	Melilot herb, cut	811Q-01664	1
-	Melissa leaf, cut	131146	1
?	Potassium sorbate	10012203	1
-	Raspberry leaf, cut	130849	1
-	Silverweed, cut	711M-01619	1
-	Silverweed, cut	130849	1
200, 14.11.2012	Tetracycline hydrochl...	12138104	2
-	Wild thyme, cut	131023	1
-	Wild thyme, cut	130685	1

Appendix D: Requirements of validation

In order to ensure adherence to the safe scientific status, the individual methods for manufacturing and testing must be validated under certain circumstances (compare § 34 para. 1 no. 3, § 35 para. 1 no. 4 and para. 4 sentence 1 no. 2 b, para. 6 sentence 3 *ApoBetrO* [Pharmacies Rules and Regulations]). The *ApoBetrO* [Pharmacies Rules and Regulations] incorporates a legal definition in § 1 a para. 16 (quotation translated):

“Validation is the provision of documented proof which with a high degree of safety documents that, via a specific process or standard work process, a medicinal product is manufactured and tested, which is in accordance with previously determined quality features.”

Validation documentation can be used to prove that methods or devices which are not described in the Pharmacopoeia within the meaning of § 6 para. 1 sentence 3 *ApBetrO* [Pharmacies Rules and Regulations] achieve the same results as those in the Pharmacopoeia. On the other hand, with the requirements of the demanded validation it must be observed whether the respective testing method is already incorporated in the Pharmacopoeia.

NIR spectroscopy as a general testing method need not be validated in accordance with the express ruling in the *Ph. Eur. Section 1.1* [3], as it is already described in *Section 2.2.40* of the *Ph. Eur.* as an area of application for the identification of raw materials.

However, a special validation requirement exists for the reference database. This requirement is met with the existing document. Further requirements or rules as to how this proof must be furnished do not exist. It is required that the processes guarantee the same results as the methods and devices in the Pharmacopoeia [17].

Carrying out identity tests with *Apo-Ident* is therefore also possible if the NIR spectroscopy process is not required in the Pharmacopoeia monograph of the substance for identity testing. All NIR analyses with *Apo-Ident* prove several, often all molecule groups and are therefore comparable with a series of individual, targeted chemical proofs [4]. Therefore, the identity proof with *Apo-Ident* replaces the monograph test series (with two or more test combinations).

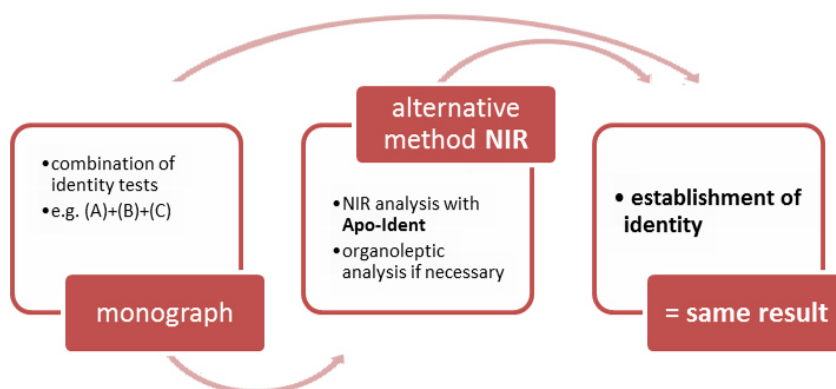


Figure 2: The combination of tests of the monograph is replaced by the alternative method NIR spectroscopy using *Apo-Ident*. This is permissible because both test procedures result in the establishment of the identity of the raw material.

With this validation documentation, proof is furnished that identical results are achieved with *Apo-Ident* and Pharmacopoeia methods, i.e. confirmation of the identity of the raw material [2].

Appendix E: Conformity of Apo-Ident with the European pharmacopeia

According to *Ph. Eur. Section 2.2.40*, NIR spectroscopy is basically suitable for: “Identification of agents, excipients, dosage forms, intermediate manufacturing products, chemical raw materials and packaging materials” ([3], quotation translated).

The fact that *Apo-Ident* meets the further criteria of the European Pharmacopoeia under the headings in *Section 2.2.40*

- Apparatus
- Measurement methods
- Sample preparation and presentation
- Testing the functionality of the instrument
- Identification and characterisation (qualitative analysis)
- Quantitative analysis
- Ongoing model evaluation
- Transfer of databases
- Data storage

can be proven based on the *HiperScan GmbH* documentation of “Meeting 2.2.40 *Ph. Eur.* by *Apo-Ident*” [4].

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