Background Information to the Documents in ANNEX

1. Delegations will find in the Annex two supporting documents sent by the Commission, concerning essential oils.

The information in the documents originates from the fragrance and cosmetics industry sectors in their portfolio of registered substances under REACH. In their view, the information provided defines the meaning of what are the “substances of renewable botanical origin”.

The replies to the Commission's questions are the following:

Question on the way Natural Complex Substances (NCS) are registered under REACH:

In accordance with REACH requirements, this is done depending on the substances:
Whether the substance is a mono-constituent
Whether the substance is a multi-constituent
Whether the substance is a UVCB

UVCBs represent the most important category in which NCSs used in fragrances are registered. According to the registration rules for UVCBs, NCSs included in the same registration dossier must come from the same source, and the main steps in the obtaining process must be similar. Regarding composition, given that this category of substances has a variable composition, a certain tolerance is accepted. For example, lavandin essential oil is the subject of a different registration dossier to lavandin concrete, because the obtaining processes are different. The same applies to styrax essential oil and styrax resinoid.

You will find more information in the attached excel table with the number of registrations of NCSs (source: ECHA website).

206 NCSs have been registered, split as follows:

88 essential oils (Eos)

14 absolutes

15 concretes

20 resinoids

9 oils

39 extracts

21 other (multi, powder, etc).

This is why IFRA and Cosmetics Europe support the use of the term "substances of renewable botanical origin" as this term would cover all these NCS.

The registrant then shall classify the substance depending on the available data. This will be done based on all available (toxicity) data. This data could be on the data on individual constituents (or based on the data available on the (whole) substance if this data is available). We have several examples of REACH dossiers in which the classification of these NCS has been made based on data available on the whole substance (e.g., genotoxicity on the whole substance).

Question on the 'scientific rationale' for maintaining similar classification rules for all natural ingredients used in cosmetics and perfumery (and not only for essential oils) – i.e., using all available data for classifying the substance (data on constituents & data on the (whole) substance):

Since the finalization of EFEO-IFRA guidelines on substance identification and sameness of NCS under REACH and CLP (SEE HERE) in 2015, these substances were treated the same way and defined under the same 'umbrella' (natural complex substances), without 'creating differentiation' depending of their extraction techniques (same specific characteristics of the natural substances, made up of hundreds of constituents, etc.).

On the 'similarity' of composition between extracts obtained by different processes, you will find attached an example showing the typical composition of the main constituents of a rose essential oil & a rose absolute. It can be seen that the main constituents are present in both extracts, albeit in different proportions. Consequently, the same "reasoning" can be applied to potentially different results between constituent and (whole) substance data.

Question on the scope of NCS, including the use of 'funghi':F

Our sector uses funghis/ mushrooms or algae as fragrance or cosmetic ingredients. Some examples:

- Our sector uses funghis/ mushrooms or algae as fragrance or cosmetic ingredients. Some examples:
  - Oleoresin Botelus: cèpe - https://www.biolandes.com/produit/cepe-2/
  - Truffle extracts in final products: https://www.esteelauder.fr/products/13797/catalogue-produit/re-nutriv/collections/ultimate-diamond; https://www.loreal.com/fr/loreal-luxe/yuesai/
  - https://www.fragrenza.com/blogs/notes-in-perfumery/algae-in-perfumery

For further information:

All these ingredients are obtained through **simple extraction techniques**, derived from plants (physical extraction/ no chemical modification). To name a few: lemon, lavender, rose essential oil; rose absolute; oakmoss, etc. Some plants are only subject to certain extraction techniques for perfumery, due to their fragility. This is particularly **the case with jasmine: the flowers are very fragile and cannot withstand steam distillation**, a technique for obtaining essential oils. Other extraction processes at room temperature are therefore used **for jasmine (flowers): a first extraction to obtain a jasmine concrete, then a second extraction of the concrete to obtain a jasmine absolute.** Hence, **there is no such thing as "jasmine essential oil" – because jasmine flowers are too fragile to be subjected to distillation.** This explains why jasmine produces ingredients such as jasmine absolute (but not essential oil).

2. Delegations will find below the publicly available hyperlink related to the study which the Commission used for their Impact Assessment. Annex 10 is the one related to Neurotoxicity and Immunotoxicity:
Chemicals policy - Library (europa.eu)

Council of the European Union
General Secretariat

Interinstitutional files:
2022/0432 (COD)

Brussels, 21 November 2023

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WORKING DOCUMENT

From:	General Secretariat of the Council
To:	Working Party on Technical Harmonisation (Dangerous Substances - Chemicals)
N° prev. doc.:	ST 14625/1/23 REV 1 CM 5319/23
N° Cion doc.:	ST 16258 2022 ADD 1- ADD 8
Subject:	Proposal for a Regulation of the European Parliament and of the Council amending Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP Revision) - Supporting documents by the Commission on Essential Oils and the CLP Revision

Comparaison compositions des substances volatils dans une absolue de Rose vs Huile essentielle de rose (Rosa damascena)

Main constituents contained in the volatile part from 0,1%	Rose Essential Oil	Rose Absolute
	Typical %	Typical %
Bulnesene alpha	0.2	0.1
Caryophyllene beta (E)	0.8	0.16
Citronellol-levo	35	11.4
Citronellyl acetate	0.6	0.4
Eicosane	1.06	0.32
Eugenol	1.8	0.9
Farnesol-trans-trans	1	0.2
Geranial	0.7	0.26
Geraniol	13.75	4.9
Geranyl acetate	1.5	0.45
Guaiene alpha	0.3	0.15
Heneicosane	3.1	0.76
Heptadecane	2.1	1
Humulene alpha	0.2	0.1
Methyl eugenol	2.8	0.54
Mint Sulfur	0.1	0.1
Neral	0.2	0.15
Nerol	9	0.1
Nonadecane	7.8	5
Nonadecene-9 (Z)	1.9	2.2
Phenylethyl acetate	0.2	0.39
Phenylethyl alcool	2.5	41
Rose oxide-cis	0.7	0.27
Rose oxide-trans	0.2	0.1

COMMON NAME OF PRODUCT	BOTANICAL NAME	EINECS NAME	CAS no of EINECS	EINENCS No.	OTHER CAS no	REACH EC ECHA LIST NUMBER	Substance type	EC Name	SUBSTANCE NAME IN REGISTRATION DOSSIER (IUPAC name)
Cinnamon leaf oil	Cinnamomum zeylanicum	Cinnamomum zeylanicum, ext.	84649-98-9	283-479-0	8015-91-6	283-479-0	UVCB	Cinnamomum zeylanicum, ext.	Cinnamomum zeylanicum, leaf, ext.
Nutmeg oil	Myristica fragrans	Myristica fragrans, ext.	84082-68-8	282-013-3	8008-45-5	282-013-3	UVCB	Myristica fragrans, ext.	Myristica fragrans, ext.
Grapefruit oil	Citrus paradisi	Grapefruit, ext.	90045-43-5	289-904-6	8016-20-4	289-904-6	UVCB	Grapefruit, ext.	Essential oil of Grapefruit obtained from the peel of Citrus paradisi M., Rutaceae by expression and/or distillation, including cold pressed, distilled, terpenes and essence qualities
Lemon oil	Citrus limon	Lemon, ext.	84929-31-7	284-515-8	8008-56-8 68917-33-9	284-515-8	UVCB	Lemon, ext.	Essential oil of lemon obtained from the peel of Citrus limonum (Rutaceae) by expression and/or distillation, including cold pressed, distilled, terpenes and essence qualities
Lime oil	Citrus aurantifolia	Lime (Citrus aurantifolia), ext.	90063-52-8	290-010-3	8008-26-2 68917-71-5	290-010-3	UVCB	Lime (Citrus aurantifolia), ext.	Essential oil of Lime obtained from the peel of Citrus aurantifolia, Rutaceae by expression and/or distillation, including cold-pressed, distilled, terpenes and essence qualities
Mandarine oil	Citrus reticulata blanco	Mandarin orange, ext.	84929-38-4	284-521-0	8008-31-9	284-521-0	UVCB	Mandarin orange, ext.	Essential oil of Mandarin obtained from the peel of Citrus nobilis, Rutaceae by expression and/or distillation, including cold-pressed, distilled, terpenes and essence qualities
Orange bitter	Citrus aurantium	Orange, sour, ext.	72968-50-4	277-143-2	8014-17-3 8016-38-4	277-143-2	UVCB	Orange, sour, ext.	Essential oil of Orange bitter obtained from the peel of Citrus aurantium (Rutaceae) by expression and/or distillation, including cold pressed, distilled, terpenes and essence qualities
Orange sweet oil	Citrus sinensis	Orange, sweet, ext.	8028-48-6	232-433-8	68647-72-3	232-433-8	UVCB	Orange, sweet, ext.	Essential oil of orange obtained from the peel of Citrus sinensis (Rutaceae) by expression and/or distillation, including cold pressed, distilled, terpenes and essence qualities
Tangerine oil	tangor murcote	Tangor, Murcote, ext.	93686-22-7	297-672-2		297-672-2	UVCB	Tangor, Murcote, ext.	Essential oil of tangerines obtained from the peel of Citrus reticulata x C. sinensis, Rutaceae by expression and/or distillation
Cornmint oil	Mentha arvensis	Mentha arvensis, ext.	90063-97-1	290-058-5	68608-35-5 68917-18-0	290-058-5	UVCB	Mentha arvensis, ext.	Essential oil of Cornmint obtained from the herb of Mentha Arvensis Linn (Lamiaceae) by distillation
Peppermint oil	Mentha piperita	Peppermint, ext.	84082-70-2	282-015-4	8006-90-4	282-015-4	UVCB	Peppermint, ext.	Essential oil of Peppermint obtained from the herb of Mentha piperita, Labiatae by distillation
Vetivert oil	Vetiveria zizanioides	Vetiveria zizanioides, ext.	84238-29-9	282-490-8		282-490-8	UVCB	Vetiveria zizanioides, ext.	Essential oil of Vetiveria zizanioides (Poaceae) obtained from roots by steam distillation
Cassia oil	Cinnamomum cassia	Cinnamomum cassia, ext.	84961-46-6	284-635-0	8007-80-5	284-635-0	UVCB	Cinnamomum cassia, ext.	Cassia essential oil
Cinnamon bark oil	Cinnamomum zeylanicum	Cinnamomum zeylanicum, ext.	84649-98-9	283-479-0	8015-91-6	283-479-0	UVCB	Cinnamomum zeylanicum, ext.	Cinnamomum zeylanicum essential oil
Styrax oil	liquidambar styraciflua	Storax (balsam)	8046-19-3	232-458-4		232-458-4	UVCB	Storax (balsam)	Resinoid obtained from the gum of Liquidambar styraciflua by extraction with solvent
Styrax resinoid	Liquidambar styraciflua	Storax (balsam)	8046-19-3	232-458-4		947-390-7	UVCB	Resinoid of Liquidambar styraciflua (Hamamelidaceae) obtained from exudate by	Resinoid of Liquidambar styraciflua (Hamamelidaceae) obtained from exudate by organic solvents extraction
Citronella oil	Cymbopogon winterianus	Cymbopogon winterianus, ext.	91771-61-8	294-954-7		294-954-7	UVCB	Cymbopogon winterianus, ext.	Essential oil obtained from the leaves of Cymbopogon winterianus, Gramineae by distillation.
Eucalyptus citriodora oil	Eucalyptus citriodora	Eucalyptus maculata citriodora, ext.	85203-56-1	286-249-8	8000-48-4	286-249-8	UVCB	Eucalyptus maculata citriodora, ext.	Essential oil obtained from the leaves and stems of Eucalyptus maculata citriodora (Myrtaceae) by distillation
Lemongrass oil	Cymbopogon flexuosus/citratus	Cymbopogon flexuosus, ext.	91844-92-7	295-161-9		943-552-6	UVCB	Essential oil obtained from the leaves of Cymbopogon flexuosus, gramineae by distillation	Essential oil obtained from the leaves of Cymbopogon flexuosus, gramineae by distillation
Litsea cubeba oil	Litsea cubeba	Litsea cubeba, ext.	90063-59-5	290-018-7		943-438-6	UVCB	Essential oil obtained from the fruits of Litsea cubeba (Lour.) Pers. by distillation	Essential oil obtained from the fruits of Litsea cubeba (Lour.) Pers. by distillation
Bergamot oil	Citrus Bergamia	Bergamot, ext.	89957-91-5	289-612-9	8007-75-8	289-612-9	UVCB	Bergamot, ext.	Essential oil obtained from the peel of Citrus bergamia, Rutaceae by expression and/or distillation, including cold pressed and distilled qualities
Artemisia alba oil	Artemisia herba-alba	Artemisia herba-alba, ext.	84775-75-7	283-905-5	84775-45-1 93348-02-8	946-604-6	UVCB	Essential oil camphor-rich of Artemisia herba-alba (Asteraceae) obtained from herb by steam	Essential oil camphor-rich of Artemisia herba-alba (Asteraceae) obtained from herb by steam distillation
Artemisia alba oil	Artemisia herba-alba	Artemisia herba-alba, ext.	84775-75-7	283-905-5	84775-45-1 93348-02-8	283-905-5	UVCB	Artemisia herba-alba, ext.	Essential oil thujone-rich of Artemisia herba-alba (Asteraceae) obtained from herb by steam distillation
Sage dalmatian oil	Salvia officinalis	Sage, Salvia officinalis, ext.	84082-79-1	282-025-9	8022-56-8	282-025-9	UVCB	Sage, Salvia officinalis, ext.	Essential oil of Salvia officinalis (Lamiaceae) obtained from leaves, flowers and stalks by steam distillation.
Cedarleaf oil	Thuya occidentalis	Thuya occidentalis, ext	90131-58-1	290-370-1	8007-20-3	290-370-1	UVCB	Thuya occidentalis, ext.	Essential oil of thuya occidentalis obtained from leaves by steam distillation
Thuya plicata ext.	Thuya plicata	Thuya plicata, ext.	94334-32-4	305-105-8		305-105-8	UVCB	Thuya plicata, ext.	Water steam distillation of needles and twigs of Thuya plicata
Eucalyptus oil	Eucalyptus globulus	Eucalyptus globulus, ext.	84625-32-1	283-406-2	8000-48-4	283-406-2	UVCB	Eucalyptus globulus, ext.	Essential oil of Eucalyptus globulus (Myrtaceae) obtained from leaves and branches by distillation
Rosemary oil	Rosmarinus officinalis	Rosemary, ext.	84604-14-8	283-291-9	8000-25-7	283-291-9	UVCB	Rosemary, ext.	Essential oil of Rosmarinus officinalis L. (Lamiaceae) obtained from leaves, flowers and twigs by steam distillation
Camphor oil white	Cinnamomum camphora	Camphor tree ext.	92201-50-8	295-980-1	8008-51-3	295-980-1	UVCB	Camphor tree, ext.	Essential oil of Cinnamomum camphora (Lauraceae) obtained from fractional distillation of the decamphorized crude camphor oil.
Laurel leaf oil	Laurus nobilis	Laurus nobilis, ext.	84603-73-6	283-272-5	8002-41-3 8007-48-5	283-272-5	UVCB	Laurus nobilis, ext.	Essential oil of Laurus nobilis L. (Lauraceae) obtained from twigs and leaves by distillation
Cajeput green oil	Melaleuca leucadendron	Cajuput, ext.	85480-37-1	287-316-4	8008-98-8	287-316-4	UVCB	Cajuput, ext.	Essential oil of Melaleuca leucadendron cajuputi (Myrtaceae) obtained from leaves by steam distillation
Cardamom oil	Ilettaria cardamomum	Cardamom, ext.	85940-32-5	288-922-1	8000-66-6	288-922-1	UVCB	Cardamom, ext.	Essential oil of Elettaria cardamomum (Zingiberaceae) obtained from seeds by steam distillation
Myrtle oil	Myrtus communis	Myrtus communis, ext	84082-67-7	282-012-8	8008-46-6	282-012-8	UVCB	Myrtus communis, ext.	Essential oil of Myrtus communis (Myrtaceae) obtained from leaves by steam distillation
Niaouli oil	Melaleuca Viridiflora	melaleuca viridiflora extract	132940-73-9	310-217-5	8014-68-4	310-217-5	UVCB	Melaleuca viridiflora extract	Essential oil of Melaleuca viridiflora (Myrtaceae) obtained from twigs and leaves by steam distillation
Spearmint oil	Mentha spicata/gracilis	Spearmint, ext.	84696-51-5	283-656-2		946-253-9	UVCB	Essential oil of Spearmint obtained from the aerial part of Mentha spicata and/or Mentha cardiaca (Lamiaceae) obtained by distillation	Essential oil of Spearmint obtained from the aerial part of Mentha spicata and/or Mentha cardiaca (Lamiaceae) obtained by distillation
Spearmint oil	Mentha cardiaca/gracilis	Mentha cardiaca, ext.	91770-24-0	294-809-8		946-253-9	UVCB	Essential oil of Spearmint obtained from the aerial part of Mentha spicata and/or Mentha cardiaca	Essential oil of Spearmint obtained from the aerial part of Mentha spicata and/or Mentha cardiaca (Lamiaceae) obtained by distillation
Cypress oil	Cupressus sempervirens	Cypress, Cupressus sempervirens, ext.	84696-07-1	283-626-9	8013-86-3	283-626-9	UVCB	Cypress, Cupressus sempervirens, ext.	Essential oil of Cupressus Sempervirens (Cupressaceae) obtained from leaves, twigs and fruits by steam distillation
Fir silver oil	Abies alba	Fir, Abies alba, ext.	90028-76-5	289-870-2	8021-27-0	289-870-2	UVCB	Fir, Abies alba, ext.	Essential oil of Abies alba Mill. (Pinaceae) obtained from needles and branches by distillation
Pine dwarf oil	Pinus mugo/Pumilo	Pine, Pinus mugo, ext	90082-72-7	290-163-6	8000-26-8 8021-29-2	290-163-6	UVCB	Pine, Pinus mugo, ext.	Essential oil of Pinus mugo Turra (Pinaceae) and Pinus cembra L. (Pinaceae) obtained from needles and branches by distillation
Pine needle oil	Abies sibirica	Fir, Abies sibirica, ext.	91697-89-1	294-351-9	8021-29-2	294-351-9	UVCB	Fir, Abies sibirica, ext.	Essential oil of Abies sibirica Ledeb. (Pinaceae) obtained from needles and branches by distillation.
Pine scotch oil	Pinus sylvestris	Pine, Pinus sylvestris, ext.	84012-35-1	281-679-2	8023-99-2	281-679-2	UVCB	Pine, Pinus sylvestris, ext.	Essential oil of Pinus sylvestris L. (Pinaceae) obtained from needles and branches by distillation
Pinus maritima oil	Pinus maritima	Pine, Pinus maritima, ext.	84929-42-0	284-525-2	90082-75-0	290-166-2	UVCB	Pine, Pinus pinaster, ext.	Essential oil of Pinus pinaster (Pinaceae) obtained from twigs and branches by steam distillation
Turpentine oil	not applicable	Turpentine, oil	8006-64-2	232-350-7		232-350-7	UVCB	Turpentine, oil	Turpentine essential oil
Juniper oil	Juniperus communis	Juniper, Juniperus communis, ext.	84603-69-0	283-268-3	8002-68-4	283-268-3	UVCB	Juniper, Juniperus communis, ext.	Essential oil of Juniperus communis L. (Cupressaceae) obtained from berries and branches by distillation
Fir balsam oil	Abies balsamea	Fir, Abies balsamea, ext.	85085-34-3	285-364-0	8024-15-5	285-364-0	UVCB	Fir, Abies balsamea, ext.	Fir Balsam Oil
Fir balsam resinoid	Abies balsamea	Fir, Abies balsamea, ext.	85085-34-3	285-364-0	8024-15-5	947-304-8	UVCB	Resinoid of Abies balsamea (Pinaceae) obtained from needles by an organic solvent extraction	Resinoid of Abies balsamea (Pinaceae) obtained from needles by an organic solvent extraction
Cistus concrete	Cistus ladaniferus	Cistus ladaniferus, ext.	89997-74-0	289-711-7		947-090-6	UVCB	Concrete of Cistus ladaniferus (Cistaceae) obtained from stems and leaves by organic solvents extraction	Concrete of Cistus ladaniferus (Cistaceae) obtained from stems and leaves by organic solvents extraction
Cistus absolute	Cistus ladaniferus	Cistus ladaniferus, ext.	89997-74-0	289-711-7		946-923-0	UVCB	Absolute of Cistus ladaniferus (Cistaceae) obtained from cistus concrete by heat treatment and ethanol extraction	Absolute of Cistus ladaniferus (Cistaceae) obtained from cistus concrete by heat treatment and ethanol extraction
Cistus absolute	Cistus ladaniferus	Cistus ladaniferus, ext.	89997-74-0	289-711-7		947-724-1	UVCB	Absolute of Cistus ladaniferus (Cistaceae) obtained from cistus concrete by ethanol extraction	Absolute of Cistus ladaniferus (Cistaceae) obtained from cistus concrete by ethanol extraction
Labdanum gum	Cistus ladaniferus	Labdanum	84775-64-4	283-893-1		946-963-9	UVCB	Gum of Cistus ladaniferus (Cistaceae) obtained from stems and leaves by extraction with alkaline solution	Gum of Cistus ladaniferus (Cistaceae) obtained from stems and leaves by extraction with alkaline solution
Labdanum absolute	Cistus ladaniferus	Labdanum	84775-64-4	283-893-1		947-313-7	UVCB	Absolute of Cistus ladaniferus (Cistaceae) obtained from labdanum concrete by ethanol extraction	Absolute of Cistus ladaniferus (Cistaceae) obtained from labdanum concrete by ethanol extraction
Labdanum absolute	Cistus ladaniferus	Labdanum	84775-64-4	283-893-1		946-441-0	UVCB	Absolute of Cistus ladaniferus (Cistaceae) obtained from labdanum resinoid by ethanol extraction.	Absolute of Cistus ladaniferus (Cistaceae) obtained from labdanum resinoid by ethanol extraction.
Labdanum concrete	Cistus ladaniferus	Labdanum	84775-64-4	283-893-1		946-927-2	UVCB	Concrete of Cistus ladaniferus (Cistaceae) obtained from labdanum gum by organic solvent	Concrete of Cistus ladaniferus (Cistaceae) obtained from labdanum gum by organic solvent extraction.
Labdanum resinoid	Cistus ladaniferus	Labdanum	84775-64-4	283-893-1		946-922-5	UVCB	Resinoid of Cistus ladaniferus (Cistaceae) obtained from labdanum gum by ethanol extraction	Resinoid of Cistus ladaniferus (Cistaceae) obtained from labdanum gum by ethanol extraction
Labdanum resinoid	Cistus ladaniferus	Labdanum	84775-64-4	283-893-1		946-442-6	UVCB	Resinoid of Cistus ladaniferus (Cistaceae) obtained from labdanum gum by organic solvents extraction	Resinoid of Cistus ladaniferus (Cistaceae) obtained from labdanum gum by organic solvents extraction
Juniperus oxycedrus oil	Juniperus oxycedrus	Juniper, Juniperus oxycedrus, ext.	90046-02-9	289-969-0		289-969-0	UVCB	Juniper, Juniperus oxycedrus, ext.	Empyreumatic oil obtained from Juniperus oxycedrus (Cupressaceae) wood by dry distillation
Lavandin oil	Lavandula hybrida	Lavender, Lavandula hybrida, ext.	91722-69-9	294-470-6		294-470-6	UVCB	Lavender, Lavandula hybrida, ext.	Essential oil of Lavandula x intermedia Emeric ex Loisel. (Lamiaceae) obtained from flowering tops by steam distillation
Lavandin concrete	Lavandula hybrida	Lavender, Lavandula hybrida, ext.	294-470-6	91722-69-9		946-009-1	UVCB	Concrete of Lavandula Hybrida (Lamiaceae) obtained from the flowering plant by organic solvent	Concrete of Lavandula Hybrida (Lamiaceae) obtained from the flowering plant by organic solvent extraction
Lavender oil	Lavandula angustifolia	Lavender, Lavandula angustifolia, ext.	90063-37-9	289-995-2	8000-28-0	289-995-2	UVCB	Lavender, Lavandula angustifolia, ext.	Essential oil of Lavandula angustifolia Mill. (Lamiaceae) obtained from flowering tops by steam distillation
Shiu oil (Ho oil)	Cinnamomum camphora	Camphor tree, Cinnamomum camphora	91745-89-0	294-760-2		201-134-4	Mono-constituent	Linalool	(3S)-3,7-dimethylocta-1,6-dien-3-ol
Basil oil (linalool chemotype)	Ocimum basilicum	Ocimum basilicum, ext.	84775-71-3	283-900-8	8015-73-4	283-900-8	UVCB	Ocimum basilicum, ext.	Basil oil obtained from the stems and leaves of Ocimum basilicum by steam distillation
Clary sage oil	Salvia sclarea	Sage, Salvia sclarea, ext.	84775-83-7	283-911-8	8016-63-5	283-911-8	UVCB	Sage, Salvia sclarea, ext.	Essential oil of Salvia sclarea (Lamiaceae) obtained from leaves, flowers and twigs by steam distillation
Clary sage concrete	Salvia sclarea	Sage, Salvia sclarea, ext.	84775-83-7	283-911-8		947-717-3	UVCB	Concrete of Salvia sclarea L. (Lamiaceae) obtained from leaves, flowers and twigs by apolar hydrocarbon solvent extraction with or without purification by molecular distillation	Concrete of Salvia sclarea L. (Lamiaceae) obtained from leaves, flowers and twigs by apolar hydrocarbon solvent extraction with or without purification by molecular distillation
Lavender spike oil	Lavandula spicata or latifolia	Lavender, Lavandula spica, ext.	84837-04-7	284-290-6	8016-78-2	284-290-6	UVCB	Lavender, Lavandula latifolia, ext.	Essential oil of Lavandula latifolia (Labiatae) obtained from leaves, flowers and twigs by steam distillation
Mentha citrata oil	Mentha citrata	Mentha citrata, ext.	85085-49-0	285-378-7	68917-15-7	285-378-7	UVCB	Mentha citrata, ext.	Mentha citrata, ext.
Coriander seedfruit oil	Coriandrum sativum	Coriander, ext.	84775-50-8	283-880-0	8008-52-4	283-880-0	UVCB	Coriander, ext.	Essential oil of Coriandrum sativum L. (Apiaceae) obtained from seeds of coriander by steam distillation
Amyris oil	Amyris balsamifera	Amyris balsamifera, ext.	90320-49-3	291-076-6		291-076-6	UVCB	Amyris balsamifera, ext.	Essential oil of Amyris obtained from the wood of Amyris balsamifera (Rutaceae) trees by steam distillation
Guaiacwood oil	Bulnesia sarmenti	Bulnesia sarmienti, ext.	89958-10-1	289-632-8		289-632-8	UVCB	Bulnesia sarmienti, ext.	Essential oil of Guaiacwood obtained from the wood of Bulnesia sarmientoi (Zygophyllaceae) by steam distillation
Sandalwood Australia oil	Santalum spicatum	Sandalwood, ext.	84787-70-2	284-111-1		284-111-1	UVCB	Sandalwood, ext.	Sandalwood oil
Tea tree oil	melaleuca alternifolia	Melaleuca alternifolia, ext.	85085-48-9	285-377-1	68647-73-4	285-377-1	UVCB	Melaleuca alternifolia, ext.	Essential oil obtained from the leaves and terminal branchlets of Melaleuca alternifolia, by steam distillation
Ylang-Ylang III oil	Cananga odorata genuina	Ylang-ylang, ext.	83863-30-3	281-092-1		947-049-1	UVCB	Essential oil of Ylang Ylang III obtained from the flowers of Cananga odorata (Annonaceae) by steam	Essential oil of Ylang Ylang III obtained from the flowers of Cananga odorata (Annonaceae) by steam distillation
Ylang-Ylang Extra, I and II oil	Cananga odorata genuina	Ylang-ylang, ext.	83863-30-3	281-092-1	8006-81-3	281-092-1	UVCB	Ylang-ylang, ext.	Essential oil of Ylang Ylang Ext/I/II obtained from the flowers of Cananga odorata (Annonaceae) by steam distillation
Cedarwood Atlas oil	Cedrus atlantica	Cedrus atlantica, ext	92201-55-3	295-985-9	8023-85-6	295-985-9	UVCB	Cedrus atlantica, ext.	Essential oil of Cedarwood Atlas obtained from the wood of Cedrus atlantica by steam distillation
Cedarwood oil Chinese	Chamaecyparis funebris	Cypress, Cupressus funebris, ext.	85085-29-6	285-360-9		285-360-9	UVCB	Cypress, Cupressus funebris, ext.	Essential oil of Cedarwood obtained from the wood of Cupressus funebris (Cupressaceae) by steam distillation
Cedarwood Himalayan oil	Cedrus deodara	Cedrus deodara, ext.	91771-47-0	294-939-5		294-939-5	UVCB	Cedrus deodara, ext.	Essential oil of Cedarwood Himalayan obtained from the root of Cedrus deodara by distillation
Cedarwood Texas oil (crude)	Juniperus Mexicana	Juniper, Juniperus mexicana, ext.	91722-61-1	294-461-7	68990-83-0	294-461-7	UVCB	Juniper, Juniperus mexicana, ext.	Essential oil of Cedarwood Texas obtained from the wood of Juniperus mexicana (Cupressaceae) by distillation
Cedarwood Texas oil (terpenes)	Juniperus Mexicana	Juniper, Juniperus mexicana, ext.	91722-61-1	294-461-7		946-670-6	UVCB	Essential oil of Cedarwood Texas obtained from the wood of Juniperus mexicana (Cupressaceae) by	Essential oil of Cedarwood Texas obtained from the wood of Juniperus mexicana (Cupressaceae) by distillation - Terpenes
Cedarwood Texas oil (cedrol)	Juniperus Mexicana	Juniper, Juniperus mexicana, ext.	91722-61-1	294-461-7		946-636-0	UVCB	Essential oil of Cedarwood Texas obtained from the wood of Juniperus mexicana (Cupressaceae) by	Essential oil of Cedarwood Texas obtained from the wood of Juniperus mexicana (Cupressaceae) by distillation - Cedrol
Cedarwood Virginia oil	Juniperus virginiana	Juniper, Juniperus virginiana, ext.	85085-41-2	285-370-3	8000-27-9 91722-61-1	285-370-3	UVCB	Juniper, Juniperus virginiana, ext.	Essential oil of Cedarwood obtained from the wood of Juniperus virginiana (Cupressaceae) by steam distillation
Copaiba balsam oil	Copaifera reticulata	Balsams, copaiba	8001-61-4	232-288-0		946-913-6	UVCB	Essential oil of Copaiba obtained from the exudate of Copaifera (Fabaceae) trees by distillation	Essential oil of Copaiba obtained from the exudate of Copaifera (Fabaceae) trees by distillation
Gurjun balsam oil (Gurjunene quality)	Dipterocarpus alatus	Balsams, gurjun	8030-55-5	232-444-8		947-839-7	UVCB	Essential oil of Dipterocarpus (Dipterocarpaceae) obtained from the resin tapped from Dipterocarpus	Essential oil of Dipterocarpus (Dipterocarpaceae) obtained from the resin tapped from Dipterocarpus trees by steam distillation (gurjunene quality)
Gurjun balsam oil	Dipterocarpus alatus	Balsams, gurjun	8030-55-5	232-444-8		232-444-8	UVCB	Balsams, gurjun	Essential oil of Gurjun obtained from the resin tapped from Dipterocarpus trees (Dipterocarpaceae) by
Patchouli oil	Pogostemon cablin	Patchouli, ext.	84238-39-1	282-493-4		939-227-3	Multi-constituent	1,4-dimethyl-7-(prop-1-en-2-yl)-1,2,3,4,5,6,7,8-octahydroazulene; 2,2,6,8-tetramethyltricyclo[5.3.1.0*,*]undecan-3-ol; 3,8-dimethyl-5-(prop-1-en-2-yl)-1,2,3,3a,4,5,6,7-octahydroazulene	Reaction Mass of 1,4-dimethyl-7-(prop-1-en-2-yl)-1,2,3,4,5,6,7,8-octahydroazulene and 3,8-dimethyl-5-(prop-1-en-2-yl)-1,2,3,3a,4,5,6,7-octahydroazulene and 4,8a,9,9-tetramethyldecahydro-1,6-methanonaphthalen-1-ol
Matricaria recutita,ext.	Matricaria recutita	Matricaria recutita, ext.	84082-60-0	282-006-5	8002-66-2	282-006-5	UVCB	Matricaria recutita, ext.	Essential oil of Matricaria recutita (Asteraceae) obtained from flower tops by steam distillation of Egypt origin
Marjoram sweet oil	Origanum marjorana	Marjoram, sweet, ext.	84082-58-6	282-004-4	8015-01-8	282-004-4	UVCB	Marjoram, sweet, ext.	Essential oil of Origanum majorana (Labiatae) obtained from flower tops by steam distillation
Ginger oil , India	Zingiber officinalis	Ginger, ext.	84696-15-1	283-634-2		947-955-8	UVCB	Extract of Ginger, obtained from the roots of Zingiber officinalis (Zingiberaceae) by total supercritical CO2 extraction	Extract of Ginger, obtained from the roots of Zingiber officinalis (Zingiberaceae) by total supercritical CO2 extraction
Ginger oil , India	Zingiber officinalis	Ginger, ext.	84696-15-1	283-634-2		947-952-1	UVCB	Non-volatile extract of Ginger, obtained from the roots of Zingiber officinalis (Zingiberaceae) by supercritical CO2 extraction	Non-volatile extract of Ginger, obtained from the roots of Zingiber officinalis (Zingiberaceae) by supercritical CO2 extraction
Ginger oil , India	Zingiber officinalis	Ginger, ext.	84696-15-1	283-634-2		947-951-6	UVCB	Volatile oil of Ginger, obtained from the roots of Zingiber officinalis (Zingiberaceae) by selective supercritical CO2 extraction	Volatile oil of Ginger, obtained from the roots of Zingiber officinalis (Zingiberaceae) by selective supercritical CO2 extraction
Carrot seed oil	daucus carota	Carrot, ext.	84929-61-3	284-545-1	8015-88-1	284-545-1	UVCB	Carrot, ext.	Essential oil of Daucus carota (Apiaceae) obtained from seeds by hydrodistillation
Geranium oil, China	Pelargonium graveolens	Pelargonium graveolens, ext.	90082-51-2	290-140-0	8000-46-2	290-140-0	UVCB	Pelargonium graveolens, ext.	Essential oil of geranium obtained from aerial parts of Pelargonium graveolens by steam distillation
Geranium oil, Egypt	Pelargonium graveolens	Pelargonium graveolens, ext.	90082-51-2	290-140-0	8000-46-2				
Palmarosa oil	Cymbopogon martinii	Cymbopogon martini, ext.	84649-81-0	283-461-2	106-24-1	203-377-1	Mono-constituent	Geraniol	Palmarosa oil (Geraniol ex Palmarosa, Palmarosa essential oil)
Clove bud oil	Syzigium aromaticum	Clove, ext.	84961-50-2	284-638-7	97-53-0	904-912-8	Multi-constituent	Complex Substance of 4,11,11-trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene and 4-allyl-2-methoxyphenol and 4-allyl-2-methoxyphenyl acetate	Complex Substance of 4,11,11-trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene and 4-allyl-2-methoxyphenol and 4-allyl-2-methoxyphenyl acetate
Clove leaf oil	Syzigium aromaticum	Clove, ext.	84961-50-2	284-638-7	97-53-0	202-589-1	Mono-constituent	Eugenol	2-methoxy-4-prop-2-enylphenol
Clove stem	Syzigium aromaticum	Clove, ext.	84961-50-2	284-638-7	97-53-0	904-912-8	Multi-constituent	Complex Substance of 4,11,11-trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene and 4-allyl-2-methoxyphenol and 4-allyl-2-methoxyphenyl acetate	Complex Substance of 4,11,11-trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene and 4-allyl-2-methoxyphenol and 4-allyl-2-methoxyphenyl acetate
Anise star oil	Illicium verum	Star anise, Illicium verum, ext.	84650-59-9	283-518-1		283-518-1	UVCB	Star anise, Illicium verum, ext.	Star anise, Illicium verum, ext
Elemi oil	Canarium luzonicum	Resins, Manila elemi	9000-75-3	232-557-2		945-898-3	UVCB	Essential oil of Canarium commune (Burseraceae) obtained from gum by steam distillation	Essential oil of Canarium commune (Burseraceae) obtained from gum by steam distillation
Elemi resinoid	Canarium luzonicum	Resins, Manila elemi	9000-75-3	232-557-2		947-286-1	UVCB	Resinoid of Canarium luzonicum (Burseraceae) obtained from the exudate by benzyl benzoate extraction	Resinoid of Canarium luzonicum (Burseraceae) obtained from the exudate by benzyl benzoate extraction
Elemi resinoid	Canarium luzonicum	Resins, Manila elemi	9000-75-3	232-557-2		946-584-9	UVCB	Resinoid of Canarium luzonicum (Burseraceae) obtained from the exudate by cyclohexane extraction	Resinoid of Canarium luzonicum (Burseraceae) obtained from the exudate by cyclohexane extraction
Galbanum oil	Ferula galbaniflua	Ferula galbaniflua, ext.	93165-40-3	232-532-6		945-878-4	UVCB	Essential oil of Ferula galbaniflua Boiss. et Buhse (Umbelliferae) obtained from the gum-resin by steam distillation	Essential oil of Ferula galbaniflua Boiss. et Buhse (Umbelliferae) obtained from the gum-resin by steam distillation
Galbanum resinoid	Ferula galbaniflua	Ferula galbaniflua, ext.	93165-40-3	232-532-6		947-567-9	UVCB	Resinoid of Ferula galbaniflua (Apiaceae) obtained from the exudate by hydrocarbon alcohol extraction	Resinoid of Ferula galbaniflua (Apiaceae) obtained from the exudate by hydrocarbon alcohol extraction
Galbanum resinoid	Ferula galbaniflua	Ferula galbaniflua, ext.	93165-40-3	232-532-6		946-414-3	UVCB	Resinoid of Ferula galbaniflua (Apiaceae) obtained from the exudate by hydrocarbon ester alcohol extraction	Resinoid of Ferula galbaniflua (Apiaceae) obtained from the exudate by hydrocarbon ester alcohol extraction
Olibanum resinoid	Boswellia carteri	Olibanum	8050-07-5	232-474-1		947-035-6	UVCB	Resinoid of Boswellia Carterii (Burseraceae) obtained from exudate by hexane extraction	Resinoid of Boswellia Carterii (Burseraceae) obtained from exudate by hexane extraction
Olibanum resinoid	Boswellia carteri	Olibanum	8050-07-5	232-474-1		946-413-8	UVCB	Resinoid of Boswellia Carterii (Burseraceae) obtained from exudate by ethanol extraction	Resinoid of Boswellia Carterii (Burseraceae) obtained from exudate by ethanol extraction
Olibanum resinoid	Boswellia carteri	Olibanum	8050-07-5	232-474-1		947-370-8	UVCB	Resinoid of Boswellia Carterii (Burseraceae) obtained from exudate by organic solvents extraction	Resinoid of Boswellia Carterii (Burseraceae) obtained from exudate by organic solvents extraction
Olibanum absolute	Boswellia carteri	Olibanum	8050-07-5	232-474-1		947-586-3	UVCB	Absolute of Boswellia Carterii (Burseraceae) obtained from exudate by organic solvents treatment and subsequent ethanol extraction	Absolute of Boswellia Carterii (Burseraceae) obtained from exudate by organic solvents treatment and subsequent ethanol extraction
Olibanum absolute	Boswellia carteri	Olibanum	8050-07-5	232-474-1		947-761-3	UVCB	Absolute of Boswellia Carterii (Burseraceae) obtained from exudate by hexane treatment and subsequent ethanol extraction	Absolute of Boswellia Carterii (Burseraceae) obtained from exudate by hexane treatment and subsequent ethanol extraction
Olibanum oil	Boswellia carteri	Olibanum	8050-07-5	232-474-1		946-037-4	UVCB	Essential oil of Boswellia carterii (Burseraceae) obtained from gum by distillation	Essential oil of Boswellia carterii (Burseraceae) obtained from gum by distillation
Pepper oil black	Piper nigrum	Pepper (Piper), P. nigrum, ext.	84929-41-9	284-524-7	8006-82-4	284-524-7	UVCB	Pepper (Piper), P. nigrum, ext.	Essential oil of Piper nigrum (Piperaceae) obtained from the berries by steam distillation
Benzoin, Sumatra resinoid	Styrax benzoin	Styrax benzoin, ext	84929-79-3	284-557-7		946-589-7	UVCB	Resinoid of Styrax benzoin (Styracaceae) obtained from exudate by ethanol extraction	Resinoid of Styrax benzoin (Styracaceae) obtained from exudate by ethanol extraction
Benzoin, Siam resinoid	styrax tonkinensis resinoid	Styrax tonkinensis	84012-39-5	281-683-4		946-573-9	UVCB	Resinoid of Styrax tonkinensis (Styracaceae) obtained from exudate by ethanol extraction	Resinoid of Styrax tonkinensis (Styracaceae) obtained from exudate by ethanol extraction
Benzoin gum, Siam	Styrax spp.	Gum benzoin, Siam	9000-72-0	232-556-7		232-556-7	UVCB	Gum benzoin, Siam	Gum benzoin, Siam
Peru balsam oil	Myroxylon pereirae	Balsams, Peru	8007-00-9	232-352-8		947-264-1	UVCB	Essential oil of Myroxylon balsamum var. pereirae (Fabaceae) obtained from the exudate by dry	Essential oil of Myroxylon balsamum var. pereirae (Fabaceae) obtained from the exudate by dry distillation
Peru Balsam resinoid (1)	Myroxylon pereirae	Balsams, Peru	8007-00-9	232-352-8		947-288-2	UVCB	Resinoid of Myroxylon balsamum var. pereirae (Fabaceae) obtained from the exudate by hexane	Resinoid of Myroxylon balsamum var. pereirae (Fabaceae) obtained from the exudate by hexane extraction
Peru Balsam resinoid (2)	Myroxylon pereirae	Balsams, Peru	8007-00-9	232-352-8		947-289-9	UVCB	Resinoid of Myroxylon balsamum var. pereirae (Fabaceae) obtained from the exudate by ethanol extraction	Resinoid of Myroxylon balsamum var. pereirae (Fabaceae) obtained from the exudate by ethanol extraction
Oakmoss concrete	Evernia prunastri	Evernia prunastri, ext.	90028-68-5	289-861-3		947-295-0	UVCB	Concrete obtained from lichen of Evernia prunastri (Parmeliaceae) by extraction with a mixture	Concrete obtained from lichen of Evernia prunastri (Parmeliaceae) by extraction with a mixture of polar and apolar solvents

COMMON NAME OF PRODUCT	BOTANICAL NAME	EINECS NAME	CAS no. of EINECS	EINECS No.	OTHER CAS no	REACH EC ECHA LIST NUMBER	Substance type	EC Name	SUBSTANCE NAME IN REGISTRATION DOSSIER (IUPAC name)
Oak moss absolute	Evernia prunastri	Evernia prunastri, ext.	90028-68-5	289-991-3		289-991-3	UVCB	Evernia prunastri, ext.	Absolute obtained from lichen of Evernia prunastri (Parmeliaceae) by extraction with a mixture of polar and apolar solvents followed by an extraction with ethanol solvent
Tree moss concrete	Evernia furfuracea	Evernia furfuracea, ext.	90028-67-4	289-990-8		947-299-2	UVCB	Concrete obtained from lichen of Pseudevernia furfuracea (syn evernia furfuracea)(Parmeliaceae) by extraction with a mixture of polar and apolar solvents	Concrete obtained from lichen of Pseudevernia furfuracea (syn evernia furfuracea)(Parmeliaceae) by extraction with a mixture of polar and apolar solvents
Tree moss absolute	Evernia furfuracea	Evernia furfuracea, ext.	90028-67-4	289-990-8	68648-41-9	289-990-8	UVCB	Evernia furfuracea, ext.	Absolute obtained from lichen of Pseudevernia furfuracea (syn evernia furfuracea) (Parmeliaceae) by extraction with a mixture of polar and apolar solvents followed by an extraction with ethanol solvent
Chamomile oil (blue) Egyptian	Matricaria chamomilla	Matricaria recutita, ext.	84082-60-0	282-006-5	8002-66-2	282-006-5	UVCB	Matricaria recutita, ext.	Essential oil of Matricaria recutita (Asteraceae) obtained from flower tops by steam distillation of Egypt origin
Chamomile oil German	Anthemis nobilis	Anthemis nobilis, ext.	84649-86-5	283-467-5		947-664-6	UVCB	Essential oil of Matricaria recutita (Asteraceae) obtained from flower tops by steam distillation of European origin	Essential oil of Matricaria recutita (Asteraceae) obtained from flower tops by steam distillation of European origin
Tagete oil	Tagetes Minuta	Tagetes minuta, ext.	91770-75-1	294-882-7	8016-84-0	294-882-7	UVCB	Tagetes minuta, ext.	Essential oil of Tagetes minuta (Compositae) obtained from flowers by steam distillation
Opoponax resinoid	Commiphora erythraea	Opoponax (gum)	100084-95-6	309-134-7		944-533-5	UVCB	Opoponax resinoid	Resinoid of Commiphora erythraea (Burseraceae) obtained from the gum by ethanol extraction
Myrrh resinoid	Commiphora myrrha	Commiphora myrrha, ext.	84929-26-0	284-510-0		944-530-9	UVCB	Resinoid of Commiphora myrrha (Burseraceae) obtained from the gum by ethanol extraction	Resinoid of Commiphora myrrha (Burseraceae) obtained from the gum by ethanol extraction
Myrrh oil	Commiphora myrrha	Commiphora myrrha, ext.	84929-26-0	284-510-0		284-510-0	UVCB	Commiphora myrrha, ext.	Essential oil of Commiphora myrrha (Burseraceae) obtained from exudate(gum (a natural exudate excreted by the trees) by distillation
Thyme oil	Thymus vulgaris	Thyme, Thymus vulgaris, ext.	84929-51-1	284-535-7	8007-46-3	284-535-7	UVCB	Thyme, Thymus vulgaris, ext.	Thyme, Thymus vulgaris, ext.
Thyme oil	Thymus mastichina	Thymus mastichina, ext.	84837-14-9	284-284-8		284-284-8	UVCB	Thyme, Thymus mastichina, ext.	Thyme, Thymus mastichina, ext.
Wintergreen oil	Gaultheria pumilaensis	Gaultheria procumbens, ext.	90045-28-6	289-888-0		304-317-7	Mono-constituent	Methyl salicylate	Methyl 2-hydroxybenzoate
Rose Absolute	Rosa damascena	Rose, Rosa damascena, ext.	90106-38-0	290-260-3		290-260-3	UVCB	Rose, Rosa damascena, ext.	Absolute of Rosa Damascena (Rosaceae) obtained from fresh rose flowers by extraction with an apolar solvent followed by an extraction with ethanol solvent
Rose Concrete	Rosa damascena	Rose, Rosa damascena, ext.	90106-38-0	290-260-3		946-638-1	UVCB	Concrete of Rosa Damascena (Rosaceae) obtained from fresh flowers by extraction with an apolar solvent	Concrete of Rosa Damascena (Rosaceae) obtained from fresh flowers by extraction with an apolar solvent
Thyme oil	Thymus zygis	Thyme, Thymus zygis, ext.	85085-75-2	285-397-0		285-397-0	UVCB	Thyme, Thymus zygis, ext.	Thyme oil containing thymolThyme essential oilRed thyme oilWhite thyme oil Thyme oil, spanish type
Jasmine Concrete	Jasminum grandiflorum	Jasmine, Jasminum grandiflorum, ext.	84776-64-7	283-993-5		948-036-4	UVCB	Concrete of Jasmine, obtained from Jasmine blossoms (Jasminum grandiflorum) by extraction with a mixture of polar and apolar solvents	Concrete of Jasmine, obtained from Jasmine blossoms (Jasminum grandiflorum) by extraction with a mixture of polar and apolar solvents
Jasmine Absolute	Jasminum grandiflorum	Jasmine, Jasminum grandiflorum, ext.	84776-64-7	283-993-5		948-021-2	UVCB	Absolute of Jasmine (Jasminum grandiflorum) obtained from Jasmine concrete by ethanol extraction	Absolute of Jasmine (Jasminum grandiflorum) obtained from Jasmine concrete by ethanol extraction
Massoia bark oil	Cryptocarya massoia, Lauraceae	Cryptocarya massoy, ext.	85085-26-3	285-357-2		948-000-8	Multi-constituent	Massoia bark oil	Reaction mass of (-)-9-decenolactone and (-)-9-dodecenolactone
Schinus Molle oil	Schinus molle L.	Schinus molle, ext.	94334-31-3	305-104-2	68917-52-2	305-104-2	UVCB	Schinus molle, ext.	Essential oil of Schinus molle obtained from the berries of the Schinus molle tree (Anacardaceae) by steam distillation
Tonka bean concrete	Dipteryx odorata	Dipteryx odorata, ext.	90028-05-1	232-460-5	8024-04-2 8046-22-8	232-460-5	UVCB	Beheira, tonka bean	Concrete of Tonka bean obtained from the beans of Dipteryx odorata by extraction with solvent
Tonka bean absolute	Dipteryx odorata	Dipteryx odorata, ext.	90028-05-1	232-460-5	8024-04-2 8046-22-8	951-766-6	UVCB	Absolute of Dipteryx odorata (Fabaceae) obtained from beans by organic solvent treatment and subsequent ethanol extraction	Absolute of Dipteryx odorata (Fabaceae) obtained from beans by organic solvent treatment and subsequent ethanol extraction
Beeswax extracts	Apis mellifera	Beeswax	8012-89-3	232-383-7		946-615-6	UVCB	Concrete of honeycomb cells of the bee by hexane extraction	Concrete of honeycomb cells of the bee by hexane extraction
Petitgrain Orange bitter	Citrus aurantium	Orange, sour, ext.	72968-50-4	277-143-2		946-433-7	UVCB	Essential oil of Petitgrain obtained from the leaves and twigs of Citrus aurantium (Rutaceae) by distillation	Essential oil of Petitgrain obtained from the leaves and twigs of Citrus aurantium (Rutaceae) by distillation
Neroli oil	Citrus aurantium	Orange, sour, ext.	72968-50-4	277-143-2	8016-38-4	639-655-8	UVCB	Essential oil of Citrus aurantium var. amara or Bigaradia (Rutaceae) obtained from the flowers by steam distillation	Essential oil of Citrus aurantium var. amara or Bigaradia (Rutaceae) obtained from the flowers by steam distillation
Boswellia serrata extract	Boswellia serrata		97852-72-2	308-366-6		947-377-6	UVCB	Extract of Boswellia serrata (Burseraceae) obtained from exudate by solvent extraction	Extract of Boswellia serrata (Burseraceae) obtained from exudate by solvent extraction
Cacao extract	Cacao	cacao ext.	84649-99-0	283-480-6		947-375-5	UVCB	Extract obtained from defatted powder of Theobroma cacao (Malvaceae) by extraction with ethanol	Extract obtained from defatted powder of Theobroma cacao (Malvaceae) by extraction with ethanol
Santalum austro caledonium oil	Santalum austro caledonium	Santalum austro caledonium	91845-48-6	295-223-5		295-223-5	UVCB	Santalum austro-caledonicum, ext.	Essential oil of Santalum austro-caledonicum (Santalaceae) obtained from wood, leaves, twigs and fruits by steam distillation
Cistus oil	Cistus ladaniferus	Cistus ladaniferus, ext.	85997-74-0	289-711-7		946-570-2	UVCB	Essential oil of Cistus ladaniferus L (Cistaceae) obtained from stems and leaves by distillation	Essential oil of Cistus ladaniferus L (Cistaceae) obtained from stems and leaves by distillation
Ravintsara oil				295-980-1		947-255-2	UVCB	Essential oil of Cinnamomum camphora (Lauraceae) obtained from leaves by steam distillation	Essential oil of Cinnamomum camphora (Lauraceae) obtained from leaves by steam distillation
Jambu Absolute	Spilanthes acmella, Compositae	Spilanthes acmella, ext.	90131-24-1	290-335-0		290-335-0	UVCB	Spilanthes acmella, ext.	Absolute of Spilanthes acmella (oleracea) obtained from flowers by organic solvent treatment and subsequent ethanol extraction
Jambu Concrete	Spilanthes acmella, Compositae	Spilanthes acmella, ext.	90131-24-1	290-335-0		947-908-1	UVCB	Concrete of Spilanthes acmella (oleracea) obtained from flowers by extraction with organic solvent	Concrete of Spilanthes acmella (oleracea) obtained from flowers by extraction with organic solvent
Patchouly fraction Patchouli rich	Pogostemon cablin	Patchouli, ext.	84238-39-1	282-493-4		947-570-5	Multi- constituent	Reaction Mass of 3,8-dimethyl-5-(prop-1-en-2-yl)-1,2,3,3a,4,5,6,7-octahydroazulene and 4,8a,9,9-octamethyldecahydro-1,6-methanonaphthalen-1-ol	Reaction Mass of 3,8-dimethyl-5-(prop-1-en-2-yl)-1,2,3,3a,4,5,6,7-octahydroazulene and 4,8a,9,9-octamethyldecahydro-1,6-methanonaphthalen-1-ol
Patchouly fraction Alpha and Delta guaiene rich	Pogostemon cablin	Patchouli, ext.	84238-39-1	282-493-4		947-393-3	UVCB	Rectified Essential Oil of Pogostemon cablin (Lamiaceae) with high content in alpha and delta guaiene obtained from leaves by distillation.	Rectified Essential Oil of Pogostemon cablin (Lamiaceae) with high content in alpha and delta guaiene obtained from leaves by distillation.
Fenugreek Concrete	Trigonella foenum-graecum	Fenugreek, ext.	84625-40-1	283-415-1		947-408-3	UVCB	Concrete of Trigonella foenum graecum L. (Leguminosae) obtained from seeds by extraction with organic solvents	Concrete of Trigonella foenum-graecum L. (Leguminosae) obtained from seeds by extraction with organic solvents
Fenugreek Absolute	Trigonella foenum-graecum	Fenugreek, ext.	84625-40-1	283-415-1		283-415-1	UVCB	Fenugreek, ext.	Absolute of Trigonella foenum graecum L. (Leguminosae) obtained from seeds by organic solvent treatment and subsequent ethanol extraction
Mate concrete	Ilex paraguariensis st. hil.	Mate, ext.	73296-96-7	277-364-4	68916-96-1	277-364-4	UVCB	Mate, ext.	Mate, ext.
Tobacco concrete	Nicotiana tabacum, Solanaceae.	Tobacco, ext.	84961-66-0	284-656-5	73138-76-8	284-656-5	UVCB	Tobacco, ext.	Concrete of Nicotiana tabacum (Solanaceae) obtained from leaves by extraction with organic solvent
Tobacco absolute	Nicotiana tabacum, Solanaceae.	Tobacco, ext.	84961-66-0	284-656-5	73138-76-8	951-779-7	UVCB	Absolute of Nicotiana tabacum (Solanaceae) obtained from leaves by organic solvent treatment	Absolute of Nicotiana tabacum (Solanaceae) obtained from leaves by organic solvent treatment and subsequent ethanol extraction
Elemol oil	Canarium commune, Burseraceae.	Canarium commune, ext	97675-63-3	307-638-0		947-968-4	UVCB	Elemol-rich fraction of essential oil of Canarium commune (Burseraceae) obtained from exudate by fractional distillation	Elemol-rich fraction of essential oil of Canarium commune (Burseraceae) obtained from exudate by fractional distillation
Origan oil (Spain)	Thymus capitatus	Marjoram, pot, ext.	84012-24-8	281-570-3		947-697-6	UVCB	Carvacrol-rich essential oil obtained from the leaves of Origanum spp., Labiatae, by distillation	Carvacrol-rich essential oil obtained from the leaves of Origanum spp., Labiatae, by distillation
Coffee concrete	Coffea L.	Coffee, bean, roasted, ext.	68916-18-7	272-523-5		955-793-6	UVCB	Concrete of Coffea L. obtained from beans by organic solvent extraction	Concrete of Coffea L. obtained from beans by organic solvent extraction
Pine scotch resinoid	Pinus sylvestris	Pine, Pinus sylvestris, ext.	84012-35-1	281-579-2	8023-99-2	951-760-3	UVCB	Resinoid obtained from needles of Pinus sylvestris (Pinaceae) by extraction with o	Resinoid obtained from needles of Pinus sylvestris (Pinaceae) by extraction with o rganic solvents
Cassis concrete	Ribes nigrum L. (Saxifragaceae)	Currant, Ribes nigrum, ext.	68606-81-5	271-749-0		951-787-1	UVCB	Concrete of Ribes nigrum L. (Saxifragaceae) obtained from bud by extraction with o	Concrete of Ribes nigrum L. (Saxifragaceae) obtained from bud by extraction with o rganic solvents
Boswellia papyifera, ext.		Boswellia papyifera, ext.	89927-99-3	289-921-8		289-921-8	UVCB	Boswellia papyifera, ext.	Essential oil of Boswellia papyifera (Burseraceae) obtained from gum by distillation
Alfalfa, ext.		Alfalfa, ext.	84082-30-0	281-984-0		281-984-0	UVCB	Alfalfa, ext.	Alfalfa, ext.
Almond, sweet, ext.		Almond, sweet, ext.	90320-37-9	291-063-5		291-063-5	UVCB	Almond, sweet, ext.	Proteins from prunus amygdalus dulcis
Aloe vera, ext.		Aloe vera, ext.	85507-69-3	287-390-8		287-390-8	UVCB	Aloe vera, ext.	natural origin decolourised extract from Aloe Vera whole leaves
Anthemis nobilis, ext.		Anthemis nobilis, ext.	8015-92-7	616-968-8		616-968-8	UVCB	Anthemis nobilis, ext.	Anthemis Nobilis Flower Oil - Chamomile oil
Apple, Malus sylvestris, ext.		Apple, Malus sylvestris, ext.	85251-03-4	286-475-7		286-475-7	UVCB	Apple, Malus sylvestris, ext.	Saccharides of Pyrus Malus
Arctium lappa, ext.		Arctium lappa, ext.	84012-13-5	281-659-8		281-659-8	UVCB	Arctium lappa, ext.	Arctium lappa, ext.
Artemisia pallens, ext.		Artemisia pallens, ext.	91844-90-9	295-155-6		295-155-6	UVCB	Artemisia pallens, ext.	Essential oil of Artemisia pallens Wall. Ex DC (Asteraceae) obtained from leaves and stems by steam distillation
Ascophyllum nodosum, ext.		Ascophyllum nodosum, ext.	84775-78-0	283-907-6		283-907-6	UVCB	Ascophyllum nodosum, ext.	Ascophyllum nodosum, ext.
Ascophyllum nodosum, ext.		Ascophyllum nodosum, ext.	84775-78-0	283-907-6		283-907-6	UVCB	Ascophyllum nodosum, ext.	Ascophyllum nodosum, ext.
Calendula officinalis, ext.		Calendula officinalis, ext.	84776-23-8	283-949-5		283-949-5	UVCB	Calendula officinalis, ext.	Calendula officinalis mother tincture
Cassava, ext.		Cassava, ext.	92456-72-9	296-251-0		296-251-0	UVCB	Cassava, ext.	Polysaccharides of Manihot esculenta tuber
Ceratonia siliqua, ext.		Ceratonia siliqua, ext.	84961-45-5	284-634-5		284-634-5	UVCB	Ceratonia siliqua, ext.	Extract obtained from Ceratonia siliqua Leguminosae by solvent extraction
Chestnut, C. sativa, ext.		Chestnut, C. sativa, ext.	84696-98-8	283-519-0		283-519-0	UVCB	Chestnut, C. sativa, ext.	Oligosaccharides of Castanea sativa seed
Cocos, ext.		Cocos, ext.	84949-99-0	283-480-6		283-480-6	UVCB	Cocos, ext.	Cocos powder from Theobroma, T. Cacao, Malvaceae nibs, roasted and partially fat reduced
Coffee, bean, roasted, ext.		Coffee, bean, roasted, ext.	68916-18-7	272-523-5		272-523-5	UVCB	Coffee, bean, roasted, ext.	Coffee, bean, roasted, ext.
Curcuma longa, ext.		Curcuma longa, ext.	84775-52-0	283-882-1		283-882-1	multi- constituent	Curcuma longa, ext.	Turmeric Oil
Emblic, ext.		Emblic, ext.	90028-28-7	289-817-3		289-817-3	multi- constituent	Emblic, ext.	Emblic, ext.
Eucalyptus radiata australiana, ext.		Eucalyptus radiata australiana, ext.	92201-64-4	295-995-3		295-995-3	UVCB	Eucalyptus radiata australiana, ext.	Essential oil of Eucalyptus radiata (Myrtaceae) obtained from leaves and twigs by steam distillation
Extract of fleas d'antia, obtained from the fruits of Dimorphandra mollis	Dimorphandra mollis, Benth. (Leguminosae)	Dimorphandra mollis, ext. obtained from the fruits of Dimorphandra	-	953-265-8		953-265-8	UVCB	Extract of fleas d'antia, obtained from the fruits of Dimorphandra mollis (Leguminosae) by solvent extraction	Extract of fleas d'antia, obtained from the fruits of Dimorphandra mollis (Leguminosae) by solvent extraction
Ginger, ext.		Ginger, ext.	84696-15-1	283-634-2		283-634-2	UVCB	Ginger, ext.	Ginger, ext.
Glycine max. (L.) Merr. (Fabaceae) aqueous alcoholic ext.,	Glycine max. (L.) Merr. (Fabaceae) aqueous alcoholic ext.,	Glycine max. (L.) Merr. (Fabaceae) aqueous alcoholic ext.,	-	939-980-5		939-980-5	UVCB	Glycine max. (L.) Merr. (Fabaceae) aqueous alcoholic ext., concentrate by sequential extractions and filtration	Glycine max. (L.) Merr. (Fabaceae) aqueous alcoholic ext., concentrate by sequential extractions and filtration
Grape, red, ext.		Grape, red, ext.	84929-27-1	284-511-6		284-511-6	UVCB	Grape, red, ext.	Grape, red, ext.
Gum turpentine oil, consisting of the volatile fraction resulting from		Gum turpentine oil, consisting of the volatile fraction	-	932-349-8		932-349-8	UVCB	Gum turpentine oil, consisting of the volatile fraction resulting from the distillation of oleoresin collected by tapping softwoods from process derivatives	Gum Turpentine Oil
Hop, Humulus lupulus, ext.		Hop, Humulus lupulus, ext.	8060-28-4	232-504-3		232-504-3	UVCB	Hop, Humulus lupulus, ext.	Hop extract
Hydrocotyle asiatica, ext.		Hydrocotyle asiatica, ext.	84696-21-9	283-640-5		283-640-5	UVCB	Hydrocotyle asiatica, ext.	Hydrocotyle asiatica, ext.
Indigofera tinctoria, ext.		Indigofera tinctoria, ext.	84775-63-3	283-892-6		283-892-6	UVCB	Indigofera tinctoria, ext.	Indigofera tictoria leaf powder
Lawsonia inermis, ext.		Lawsonia inermis, ext.	84988-55-9	284-854-1		284-854-1	UVCB	Lawsonia inermis, ext.	Lawsonia Inermis Leaf Powder
Ledum palustre, ext.		Ledum palustre, ext.	90063-39-1	289-997-3		289-997-3	UVCB	Ledum palustre, ext.	Ledum palustre mother tincture
Olea, ext.		Olea, ext.	91723-07-8	294-510-2		294-510-2	UVCB	Olea, ext.	Olea, ext.
Plum, ext.		Plum, ext.	90082-87-6	290-179-3		290-179-3	UVCB	Plum, ext.	Extract obtained from fruits of Prunus domestica L. Rosaceae
Poplar, ext.		Poplar, ext.	84012-37-3	281-681-3		281-681-3	UVCB	Poplar, ext.	Poplar, ext.
Rhatany, Krameria triandra, ext.		Rhatany, Krameria triandra, ext.	84775-95-1	283-910-1		283-910-1	UVCB	Rhatany, Krameria triandra, ext.	Rhatany, Krameria triandra, ext.
Ruscus aculeatus, ext.		Ruscus aculeatus, ext.	84012-38-4	281-682-9		281-682-9	UVCB	Ruscus aculeatus, ext.	Ruscus aculeatus dry extract
Rye, ext.		Rye, ext.	90106-46-2	290-271-3		290-271-3	UVCB	Rye, ext.	Oligosaccharides and polysaccharides of glucose from Rye
Saccharomyces cerevisiae, ext.		Saccharomyces cerevisiae, ext.	84604-16-0	283-294-5		283-294-5	UVCB	Saccharomyces cerevisiae, ext.	Yeast extract, Saccharomyces cerevisiae
Sage, Salvia lavandulifolia, ext.		Sage, Salvia lavandulifolia, ext.	90106-40-3	290-272-9		290-272-9	UVCB	Sage, Salvia lavandulifolia, ext.	Sage, Salvia lavandulifolia, ext.
Savory, Satureja hortensis, ext.		Savory, Satureja hortensis, ext.	84775-38-4	283-922-8		283-922-8	UVCB	Savory, Satureja hortensis, ext.	Essential oil of Savory, Satureja hortensis, obtained from whole, dried herb by steam distillation
Tara gum		Tara gum	39300-88-4	254-409-6		254-409-6	UVCB	Tara gum	Oligosaccharides of Caesalpinia Spinosa extract
Wheat, ext.		Wheat, ext.	84012-44-2	281-689-7		281-689-7	UVCB	Wheat, ext.	Yucca schidigera, ext.
Willow, Salicaltea, ext.		Willow, Salicaltea, ext.	84082-82-6	282-029-0		282-029-0	UVCB	Willow, Salicaltea, ext.	White willow bark extract
Yucca schidigera, ext.		Yucca schidigera, ext.	223749-55-1	607-033-5		607-033-5	UVCB	Yucca schidigera, ext.	Yucca schidigera, ext.
Zanthoxylum, ext.		Zanthoxylum, ext.	102242-62-6	310-094-8		310-094-8	UVCB	Zanthoxylum, ext.	Zanthoxylum, ext.
Cyperus scariosus, ext.		Cyperus scariosus, ext.	91771-62-9	294-955-2		294-955-2	UVCB	Cyperus scariosus, ext.	Cyperus scariosus, ext.
Essential oil of Cananga odorata ext. obtained from the		Essential oil of Cananga odorata ext. obtained from the	68606-83-7	614-548-2		614-548-2	UVCB	Essential oil of Cananga odorata ext. obtained from the flowers of Cananga odorata macrophylla by steam distillation	Essential oil of Cananga odorata ext. obtained from the flowers of Cananga odorata macrophylla by steam distillation
Fusanus spicatus, ext.		Fusanus spicatus, ext.	92875-02-9	296-618-5		296-618-5	UVCB	Fusanus spicatus, ext.	Santalum spicatum Sandalwood Oil
Boswellia serrata (Burseraceae) obtained from exudate by	Boswellia serrata (Burseraceae) obtained from exudate	Boswellia serrata (Burseraceae) obtained from exudate	8016-36-2	616-980-3		948-256-0	UVCB	Resinoid of Boswellia serrata (Burseraceae) obtained from exudate by hexane extraction	Resinoid of Boswellia serrata (Burseraceae) obtained from exudate by hexane extraction