

Part 2: Global Reference List (GRL) of Natural Complex Substances (NCS)

Materials of plant or animal origin (i.e., source materials) may be used to produce flavorings. The preparations derived from these source materials (e.g., essential oils, essences, extractives, etc.) are referred to as natural complex substances or natural flavoring complexes.

On this part of the IOFI GRL, source materials and/or natural complex substances that have undergone a safety evaluation by the FEMA Expert Panel and/or have been accepted for use by the US FDA, the Council of Europe and/or any other national or regional authority are provided. Note that designations from different countries characterizing preparations derived from the same source material do not denote equivalency of the preparations listed.

While the FEMA Expert Panel has evaluated the safety of numerous natural complex substances (i.e., preparations derived from specific source materials), the US FDA and the Council of Europe have considered only the source materials.

The safety recognition by the Council of Europe is based on the widely accepted assumption that substances naturally occurring in food that have a long history of use can be considered as safe. This principle has been enshrined in the EU Flavouring Regulation (EC) No 1334/2008 and appears to be applied by multiple national regulators around the world.

Natural flavoring complexes (as defined under CAC/GL 66-2008, 2.2.2) *are preparations that contain flavouring substances obtained by physical processes (e.g., distillation and solvent extraction) that may result in unavoidable but unintentional changes in the chemical structure of the flavouring, or by enzymatic or microbiological processes, from material of plant or animal origin. Such material may be unprocessed or processed for human consumption by traditional food-preparation processes (e.g., drying, torrefaction (roasting) and fermentation).*

Some jurisdictions have more precise descriptions of the acceptable processes (e.g., *EU Flavouring Regulation (EC) No 1334/2008*).

Typically, many of the constituents contained within natural complex substances are chemically defined substances that are also listed within Part 1 of the GRL. Due to the way they are produced, natural complex substances may also contain constituents that are naturally occurring in the source materials, e.g., intrinsic fruit water, as well as food/food ingredients used during the manufacturing process.

National legislations stipulating specific provisions for undesirable substances (e.g., biologically active principles) contained in source materials and natural complex substances must be observed.

The GRL is a compendium of materials that are considered to be safe for their intended use as flavoring by one or more internationally recognized assessment bodies. The GRL follows the definitions of materials appropriate for the formulation of flavorings in the IOFI Code of Practice.

The GRL is a **non-exhaustive list**, developed by the IOFI secretariat as a **supporting tool for the IOFI members and the national/regional authorities**. **Natural flavoring complexes fulfilling the aforementioned prerequisites are safe and therefore acceptable for use in and on foods in accordance with the IOFI CoP, even though they may not be listed in this part of the GRL.**

If a specific source material/NCS is not listed, it does not necessarily indicate that the material has been disallowed for use in that region/country. There could be various reasons that the approval has not yet occurred, including not yet being notified to the competent authority for evaluation/approval, administrative delays in updating the national reference list, etc.

Additionally, source materials used as foods which are not listed in the GRL can be used for the preparation of flavorings.

Disclaimer

The IOFI Secretariat has prepared the GRL with best efforts to be complete and up-to-date to reflect the available safety information. The GRL is a compendium of publicly available information related to individual NCS materials and does not confer legal advice. IOFI cannot be held liable for errors or omissions in this document. Neither IOFI or any individual member or staff/officer can be held liable for any loss or damage as a result of relying on or the misuse of the IOFI GRL.

While the inclusion of a source material/natural complex substance in this part of the IOFI GRL supports the conclusion that it can be safely added to food, it does not in and of itself confer regulatory authority to use in any specific regulatory jurisdiction. Regulatory authority for the market of intended sale must be separately determined.

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Instructions of Use

The GRL of NCS lists the flavoring materials that are considered to be safe for their intended use. The following information is provided:

Latin Name : full scientific name of the source material

English Name : most common English name of the source material

Europe - CoE : the number(s) allocated by the Council of Europe to the Flavouring Substances and Natural Sources of Flavourings in the "Blue Books" as referenced in Annex I.

US – FEMA GRAS: the unique identifying number(s) assigned to natural complex substances with generally recognized as safe (GRAS) status by the US Flavor and Extract Manufacturers Association (FEMA) Expert Panel under conditions of intended use as flavorings. Annex II specifies which part of the plant is covered by the FEMA number and/or form (type) of the natural complex substance (i.e., extract, oleoresin, oil, etc.). Furthermore, the information as laid down in the GRAS publications and supplementary information available on the FEMA website (<https://www.femaflavor.org/fema-gras>, or by substance at <https://www.femaflavor.org/flavor-library>) should be consulted to ensure compliance.

US - FDA : refers to the US Code of Federal Regulations citation where the source material is listed. Note that the citations include language on the applicability of the listing.

China : the number(s) allocated to the natural complex substances as referred to in National Food Safety Standard for Uses of Food Additives GB 2760. When a reference number in China only relates to a part of a plant, it is specified between brackets.

Indonesia : the scientific name of the source material according to the Flavoring Regulation N° 13/2020 issued by BPOM, the National Agency of Drug and Food Control of Republic of Indonesia, and subsequent amendments. The part of the plant used is specified between brackets.

Japan : the source materials listed in the Food Sanitation Law (see Annex II for full reference). The names specified between brackets are the names as they appear in the list.

Korea : the reference code(s) from the Naturals List as published by the Korean Ministry of Food and Drug Safety (MFDS). The names specified between brackets are the names as they appear in the list.

Annex I

Annex I provides the links to the official lists of source materials and natural complex substances.

Annex II

Annex II provides a list of NCSs recognized by the US Flavor and Extract Manufacturers Association (FEMA) Expert Panel and the Council of Europe (CoE). The following information is provided:

Latin Name : full scientific name of the source material.

Name of NCS : full name of the NCS specifying the form used for the preparation of the flavoring substance.

CAS : number(s) assigned to the NCS by the Chemical Abstract Services.

FEMA : the unique identifying number assigned to natural complex substances generally recognized as safe under its conditions of intended use as flavoring by the US Flavor and Extract Manufacturers Association (FEMA) Expert Panel. Furthermore, the information provided in GRAS publications and supplementary information on the FEMA website (femaflavor.org/gras) should be consulted to ensure compliance.

CoE : the number(s) allocated by the Council of Europe to the Flavouring Substances and Natural Sources of Flavourings in the "Blue Books" as referenced in Annex I.

Latin Name	English Name	Europe - CoE ^{(1), (2)}	US - FEMA GRAS ^{(1), (2)}	US - FDA ⁽¹⁾	China ⁽¹⁾	Indonesia ⁽¹⁾	Japan ⁽¹⁾	Korea ⁽¹⁾
<i>Abelmoschus moschatus</i> Medik.	Ambrette	COE1	2050; 2051; 2052	CFR.21 §182.10; CFR.21 §182.20	N213 (seed oil); N282 (seed absolute); N391 (tincture)	<i>Hibiscus abelmoschus</i> L. and <i>Hibiscus moschatus</i> Moench (Seeds)	yes (ambrette)	4 (ambrette seed)
<i>Abies alba</i> Mill.	Silver fir	COE2; COE4	2905	CFR.21 §172.510	N186 (needle oil)	<i>Abies alba</i> Mill. (All parts)	yes (fir)	103 (fir, Pine, needles and twigs)
<i>Abies balsamea</i> (L.) Mill.	balsam fir	COE3	2114; 2115	CFR.21 §172.510	N192 (oil); N193 (oleoresin);	<i>Abies balsamea</i> Mill (All parts)	yes (fir)	104 (fir, balsam, needles and twigs)
<i>Abies mayriana</i> (Miyabe & Kudô) Miyabe & Kudô	Fir		2905	CFR.21 §172.510	N186 (needle oil)	<i>Abies mayriana</i> (Needles and twigs)	yes (fir)	103 (fir, Pine, needles and twigs)
<i>Abies sachalinensis</i> (F.Schmidt) Mast.	Pine		2905	CFR.21 §172.510	N186 (needle oil);	<i>Abies sachalinensis</i> (needles and twigs)	yes (fir)	103 (fir, Pine, needles and twigs)
<i>Abies sibirica</i> Ledeb.	Siberian pitch fir	COE5	2905	CFR.21 §172.510	N186 (needle oil)	<i>Abies sibirica</i> Ledeb. (All parts)	yes (fir)	103 (fir, Pine, needles and twigs)
<i>Acacia catechu</i> (L.f.) Willd.	Catechu fir	COE6	2264; 2265	CFR.21 §172.510	N344 (Powder)	<i>Acacia catechu</i> Willd (All parts)	yes (catechu)	48 (catechu, black)
<i>Acacia dealbata</i> Link	Silver wattle	COE522; COE572; COE2001; COE6000;				<i>Acacia dealbata</i> Link (All parts)		
<i>Acacia decurrens</i> (W.) Willd.	Mimosa	COE7	2755	CFR.21 §172.510	N209 (absolute)	<i>Acacia decurrens</i> (W.) Willd var. <i>dealbata</i> (All parts)	yes (mimosa)	160 (mimosa, black wattle, flowers)
<i>Acacia farnesiana</i> (L.) Willd.	Cassie	COE8	2260	CFR.21 §172.510	N066 (concrete); N184 (absolute);	<i>Acacia farnesiana</i> (L.) Willd. (All parts)	yes (cassie)	46 (cassie flowers)
<i>Acacia senegal</i> (L.) Willd.	Arabic gum tree	COE9	2001	CFR.21 §184.1330; CFR.21 §184.1333	N249 (gum)	<i>Acacia senegal</i> (L.) Willd. (All parts)		
<i>Acer negundo</i> L.	Maple tree	COE10			N061 (oil); N062 (concrete);	<i>Acer negundo</i> L (Bark)	yes (maple)	
<i>Acer saccharum</i> Marshall	Black sugar maple	COE11				<i>Acer saccharum</i> Marshall (Bark, wood)	yes (maple)	
<i>Acer spicatum</i> Lam.	Mountain maple	COE2002	2757	CFR.21 §172.510	N294 (mountain maPle extract solid);	<i>Acer spicatum</i> Lam. (All parts)	yes (maple)	155 (maple, mountain)
<i>Acetes japonicus</i> Kishinouye	Akiami paste shrimp						yes (Lobster, Prawn, Shrimp)	
<i>Achillea erba-rotta</i> subsp. <i>moschata</i> (Wulfen) I.Richardson	Musk milfoil	COE562; COE1200; COE2003;				<i>Achillea erbarotta</i> (All.) Ssp. <i>Moschata</i> (Wulf.) IBK Richards (All parts)		
<i>Achillea millefolium</i> L.	Milfoil	COE12	3117	CFR.21 §172.510 (In beverages only; Finished beverage thujone free)		<i>Achillea millefolium</i> L. (All parts except leaves)	yes (milfoil)	
<i>Achillea moschata</i> Jacq.	Musk Yarrow	COE12A		CFR.21 §172.510 (in alcoholic beverages only)		<i>Achillea moschata</i> Jacq (All parts)	yes (Milfoil)	
<i>Achyranthes japonica</i> (Miq.) Nakai	Inokozuchi						yes (Inokozuchi)	
<i>Acmella oleracea</i> (L.) R.K.Jansen	Jambu		3783		N257 (oleoresin);	<i>Acmella oleracea</i> (Herbs)	yes (para cress)	273 (Para cress)
<i>Acorus calamus</i> L.	Calamus						yes (calamus)	
<i>Acorus gramineus</i> Aiton	Sekisho					<i>Acorus gramineus</i> (Roots)	yes (Sekisho)	
<i>Actinidia chinensis</i> Planch.	Kiwi	COE2004					yes (kiwifruit)	
<i>Actinidia polygama</i> (Siebold & Zucc.) Planch. ex Maxim.	Silver vine					<i>Actinidia polygama</i> (Fruits)	yes (Matatabi, Silver vine)	
<i>Adenophora triphylla</i> var. <i>japonica</i> (Regel) H.Hara	Tsuriganeninjin						yes (Tsuriganeninjin)	
<i>Adiantum capillus-veneris</i> L.	Venus hair	COE14		CFR.21 §172.510 (in alcoholic beverages only)		<i>Adiantum capillus-veneris</i> L. (All parts)	yes (maiden hair fern)	153 (maidenhair fern)
<i>Aframomum melegueta</i> (Rosc.) K. Schumann	Grains of paradise	COE15	2529	CFR.21 §182.10	N374 (extract)	<i>Amomum melegueta</i> Rosc. (All parts)	yes (grains of paradise)	
<i>Agaricus bisporus</i>	Mushroom	COE543; COE2005	4487				yes (Mushroom)	
<i>Agastache rugosa</i> Kuntze	Kawamidori					<i>Agastache rugosa</i> (Herbs)	yes (Kawamidori)	
<i>Agathis australis</i> (D.Don) Lindl.	Kauri	COE2006				<i>Agathis australis</i> hort. Ex. Lindl. (All parts)		
<i>Agathosma betulina</i> (P.J.Bergius) Pillans	Round leaf buchu	COE 85; COE 85a	2169; 4923	CFR.21 §172.510	N022 (leaves oil)	<i>Barosma betulina</i> Bartl & Wendl. (Leaves)	yes (buchu)	29 (buchu leaves)

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Agathosma betulina x crenulata	Round leaf buchu	COE85c	2169			Agathosma betulina x crenulata (Leaf)		
Agathosma crenulata (L.) Pillans	Oval leaf buchu	COE 85b	2169; 4923	CFR.21 §172.510	N022 (leaves oil)	Agathosma crenulata (Leaves)	yes (buchu)	29 (buchu leaves)
Agave americana L.	American aloe	COE17				Agave americana L. (All parts)	yes (Century plant)	
Agave tequilana F.A.C.Weber	Blue agave		4954					
Agkistrodon halys Pallas	Halys viper						yes (Snake)	
Aglaia odorata	Aglaia odorata flower				N092 (flower oil); N093 (flower tincture); N094 (flower concrete);			
Agrimonia eupatoria L.	Agrimony					Agrimonia eupatoria L. (All parts)	yes (agrimony)	
Agropyron repens (L.) Beauv.	Dog grass	COE19	2403	CFR.21 §182.20		Agropyron repens (L.) Beauv. (All parts)	yes (dog grass; couch grass)	92 (Dog grass)
Ajuga chamaepitys (L.) Schreb.	Yellow bugle	COE20				Ajuga chamaepitys (L.) Schreb. (All parts)	yes (Bugle)	
Ajuga nipponensis Makino	Bugle						yes (Bugle)	
Akebia trifoliata (Thunb.) Koidz.	Akebia					Akebia trifoliata (All parts)	yes (Akebia)	
Albizia julibrissin Durazz.	Silk tree					Albizia julibrissin (Leaves and flowers)	yes (Nemunoki, Silk tree)	
Alchemilla vulgaris L.	Lion's foot						yes (Lion's foot)	
Alkanna tinctoria (L.) Tausch.	Alkanet						yes (alkanet)	
Allium ascalonicum L.	Shallot	COE23				Allium cepa L / Allium ascalonicum (All parts)	yes (shallot)	
Allium cepa L.	Onion	COE24	2817	CFR.21 §182.20	N074 (oil); N260 (oleoresin);	Allium cepa L / Allium ascalonicum (All parts)	yes (onion)	171 (onion)
Allium fistulosum L.	Welsh onion						yes (Leaf vegetables)	
Allium porrum L.	Leek	COE25			N326 (oil);		yes (leek)	
Allium sativum L.	Garlic	COE26	2503	CFR.21 §184.1317	N015 (oil); N016 (oleoresin, and derivatives);		yes (garlic)	
Allium schoenoprasum L.	Chive	COE27		CFR.21 §182.10	N107 (chives oil);		yes (chive)	
Aloe africana Mill.	Uitenhage Aloe					Aloe africana Mill. (All parts)	yes (Aloe)	
Aloe arborescens Mill.	Kidachi aloe						yes (Kidachi aloe)	
Aloe ferox Mill.	Cape aloe	COE28A	2047	CFR.21 §172.510		Aloe ferox Mill. (All parts)	yes (aloe)	
Aloe perryi Baker	Perry's aloe					Aloe perryi Baker (All parts)	yes (Aloe)	
Aloe spicata L.f.	Gazaland aloe					Aloe spicata Baker (All parts)	yes (Aloe)	
Aloe vera (L.) Burm.f.	Aloe	COE28	2047	CFR.21 §172.510	N389 (aloe extract)	Aloe vera L. (All parts)	yes (aloe)	
Aloysia citriodora Palau	Lemon verbena	COE264		CFR.21 §172.510 (in alcoholic beverages only)		Lippia citriodora Kunth. and Lippia spp. (All parts)	yes (Verbena, Vervain)	
Alpinia galanga (L.) Willd.	Greater galanga	COE29	2498; 2499; 2500;	CFR.21 §172.510 (in alcoholic beverages only)	N179 (galangal root extract)	Alpinia galanga Willd. (All parts)	yes (galanga)	106 (galangal, greater)
Alpinia officinarum Hance	Lesser galanga	COE30	2498; 2499; 2500;	CFR.21 §182.10; CFR.21 §182.20	N179 (galangal root extract)	Alpinia officinarum hance (All parts)	yes (galanga)	105 (galangal, galanga)
Alpinia zerumbet (Pers.) B.L.Burtt & R.M.Sm.	Getto					Alpinia zerumbet (Leaves)	yes (getto)	
Althaea officinalis L.	Marsh mallow	COE31	2048	CFR.21 §172.510	N382 (root)	Althaea officinalis L. (Roots and flowers)	yes (Marshmallow)	
Althaea rosea (L.) Cav.	Rose mallow	COE32				Althaea rosea (L.) Cav (All parts)	yes (Marshmallow)	
Amanita caesarea (Scop.) Pers.	Royal agaric						yes (Royal agaric)	
Amomum xanthioides Wall.	Shukusha						yes (Shukusha)	
Amyda japonica Stejneger	Suppon						yes (Suppon, Snapping turtle)	
Amygdalus communis L.	Bitter almond	COE366	2046	CFR.21 §182.20	N182 (almond oil, bitter)		yes (almond)	2 (bitter almond, free from Prussic acid)
Amyris balsamifera L.	West Indian sandalwood	COE33		CFR.21 §172.510	N208 (amyris oil);	Amyris balsamifera L. (All parts)	yes (amyris)	5 (amyris, West Indian sandalwood)
Anacardium occidentale L.	Cashew	COE34					yes (cashew nut)	
Anacyclus officinarum Hayne	Pellitory of Germany	COE35				Anacyclus officinarum Hayne (All parts)	yes (Pellitory)	
Anacyclus pyrethrum (L.) Lag.	Pellitory	COE2007					yes (Pellitory)	

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Ananas comosus (L.) Merril	Pineapple	COE36					yes (pineapple)	
Andrographis paniculata Nees	Indian chiretta	COE37				Andrographis paniculata Nees (All parts)	yes (Chirata)	
Anemarrhena asphadeloides Bunge	Hanasuge						yes (Hanasuge)	
Anethum graveolens L.	Dill	COE42	2382; 2383	CFR.21 §172.510; CFR.21 §184.1282	N205 (herb oil);	Anethum graveolens L. (All parts)	yes (dill)	
Anethum sowa Roxb. ex Fleming	Indian Dill		2384				yes (Dill)	89 (dill, Indian)
Angelica acutiloba (Siebold & Zucc.) Kitag.	Toki					Angelica spp. (Roots and seeds)	yes (Toki)	
Angelica archangelica L.	Angelica	COE56	2087; 2088; 2089; 2090; 2091	CFR.21 §182.10; CFR.21 §182.20	N073 (root tincture); N243 (seed oil); N244 (root oil);	Angelica archangelica L. (Roots)	yes (angelica)	6 (angelica root); 7 (angelica seed); 8 (angelica stem)
Angelica dahurica (Hoffm.) Benth. & Hook.f. ex Franch. & Sav.	Chinese angelica				N033 (tincture)	Angelica spp. (Roots and seeds)	yes (Yoroigusa)	
Angelica sylvestris L.	Wild angelica	COE43				Angelica silvestris L. (All parts)	yes (Angelica)	
Aniba rosaeodora Ducke	Bois de rose	COE44	2156	CFR.21 §182.20	N188 (bois de rose oil);	Aniba rosaeodora Ducke var. amazonica Ducke (All parts)	yes (Rosewood)	25 (bois de rose)
Annona cherimola Mill.	Custard apple	COE46A; COE570; COE2008; COE4600;					yes (Cherimoya)	
Annona muricata L.	Corrosol	COE45					yes (Cherimoya)	
Annona reticulata L.	Bull's heart	COE47					yes (Cherimoya)	
Annona squamosa L.	Sugar apple	COE46					yes (sugar apple, sweet sop)	
Anogeissus latifolia (Roxb. ex DC.) Wall. ex Guillem. & Perr.	Ghatti gum		2519		N347 (Ghatti gum)			
Antennaria dioica (Linne) Gartner	Life-everlasting flower						yes (Life-everlasting flower)	
Anthemis nobilis L.	Camomile; Chamomile	COE48	2272; 2274; 2275	CFR.21 §182.10; CFR.21 §182.20	N195 (flower oil), roman); N196 (flower absolute)	Anthemis nobilis L. (Flowers)	yes (Camomile)	34 (camomile, chamomile flowers, Roman, English)
Anthoxanthum odoratum L.	Pig grass	COE49				Anthoxanthum odoratum L. (All parts)	yes (Hay)	
Anthriscus cerefolium (L.) Hoffm.	Chervil	COE50	2279	CFR.21 §182.10; CFR.21 §182.20		Anthriscus cerefolium (L.) Hoffm. (All parts)	yes (chervil)	55 (chervil)
Anthyllis vulneraria L.	Woundwort	COE51				Anthyllis vulneraria L. (All parts)		
Apis mellifera L.	Beeswax	COE553; COE1001; COE1 (honey)	2126		N272 (absolute);		yes (Honey); yes (Bees wax)	
Apium graveolens L.	Celery	COE52; COE2009	2268; 2269; 2270; 2271	CFR.21 §182.10; CFR.21 §182.20	N048 (celery flower oil); N049 (celery seed oil); N285 (celery seed extract solid); N286 (celery seed CO2 extract); N320 (celery leaf oil);	Apium graveolens L. (Seeds)	yes (celery)	50 (celery seeds)
Apocynum venetum (Linne) var. basikurumon (Hara) Hara	Basikurumon						yes (Basikurumon)	
Arachis hypogaea L.	Peanut	COE54		CFR.21 §182.40			yes (peanut)	188 (Peanut stearine)
Aralia elata (Miq.) Seem.	tara						yes (tara, angelica tree)	
Arbutus unedo L.	Strawberry tree	COE55				Arbutus unedo L. (All parts)	yes (Strawberry tree)	
Arctium lappa L.	Great burdock	COE57				Arctium majus Bernh. (All parts)	yes (burdock)	
Arctous alpina var. japonicus (Nakai) Ohwi	Bearberry						yes (bearberry)	
Areca catechu L.	Arece nut					Areca Catechu (Seeds)	yes (Arece nut, betel nut)	
Aristolochia serpentaria L.	Serpentary	COE58; COE75		CFR.21 §172.510 (In alcoholic beverages only)			yes (snakeroot, serpentary)	
Aristotelia chilensis (Molina) Stuntz	Maqui					Aristotelia chilensis (Fruits)		
Armillariella mellea (Vahl) P.Karst.	Naratake						yes (Naratake)	

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Armoracia rusticana G.Gaertn., B.Mey. & Scherb.	Horseradish	COE145		CFR.21 §182.10	N318 (oil);	Armoracia lapathifolia Gilib. (All parts)	yes (horseradish)	
Arnica montana L.	Arnica	COE59		CFR.21 §172.510 (In alcoholic beverages only)			yes (arnica)	13 (arnica flowers)
Aronia melanocarpa auct.	Chokeberry					Aronia melanocarpa (Fruits)	yes (chokeberry)	
Artemisia abrotanum L.	Southerwood	COE60					yes (Artemisia)	
Artemisia absinthium L.	Wormwood herb	COE61	3114; 3115; 3116	CFR.21 §172.510 (finished food thujone free)	N302 (oil); N345 (Wormwood); N348 (extract)		yes (wormwood)	14 (artemisia, wormwood) (artemisia spp.)
Artemisia campestris L.	Field southerwood						yes (Artemisia)	
Artemisia cina Berg	Arthemisia wormseeds						yes (wormseed)	
Artemisia dracunculus L.	Tarragon	COE64	2412; 3043	CFR.21 §182.10; CFR.21 §182.20	N164 (estragon oil);		yes (tarragon)	99 (estragole, estragon, Esdragol; Esdragon, Tarragon)
Artemisia frigida Willd.	Mountain sage						yes (Artemisia)	
Artemisia glacialis L.	Glacier wormwood	COE71A					yes (Artemisia)	
Artemisia herba-alba Asso.	White wormwood	COE2011						
Artemisia maritima L.	Sea wormwood						yes (Wormseed)	
Artemisia maritima L.	Sea wormwood						yes (Wormseed)	
Artemisia mutellina Vill.	Alpine wormwood	COE68					yes (Artemisia)	
Artemisia pallens Wall.	Davana	COE69	2359	CFR.21 §172.510	N042 (oil);		yes (davana)	88 (davana)
Artemisia pontica L.	Pontique wormwood	COE70					yes (Wormwood)	
Artemisia spicata Wulf.	Geneppi	COE66					yes (Wormwood)	
Artemisia vallesiana Lam.	Mountain wormwood	COE71					yes (Wormwood)	
Artemisia vulgaris L.	Common mugwort	COE72					yes (mugwort)	
Arthrospira platensis Gomont	Spirulina					Arthrospira platensis (All parts)		
Artocarpus altilis (Parkinson) Fosberg	Bread fruit tree	COE73					yes (bread fruit)	
Asarum canadense L.	Canadian snakeroot	COE74	3023	CFR.21 §172.510	N370 (canadian snakeroot oil)	Asarum canadense L. (Roots)	yes (snakeroot, serpentry)	240 (snakeroot, canadian, wild ginger)
Asarum europaeum L.	Hazewort	COE76				Asarum europaeum L. (All parts)		
Ascophyllum nodosum	Knotted wrack	COE2013				Ascophyllum nodosum (All parts)		
Asiasarum siebold (Miquel) F. Maekawa	Usubasaishin						yes (Usubasaishin)	
Asimina triloba (L.) Dunal	Pawpaw						yes (Papaw)	
Aspalathus linearis (Burman) R. Dachar	Rooibos						yes (Rooibos)	
Asparagus cochinchinensis (Loureiro) Merrill	Kusasugikazura					Asparagus cochinchinensis (Roots)	yes (Kusasugikazura)	
Asparagus officinalis L.	Garden asparagus	COE530; COE2010; COE2014					yes (Leaf vegetables)	
Asperula odorata L.	Woodruff	COE77; COE1003		CFR.21 §172.510 (In alcoholic beverages only)		Asperula odorata L. (All parts)	yes (woodruff)	267 (Woodruff, sweet)
Aspidosperma quebracho-blanco Schldl.	Quebracho	COE78	2972	CFR.21 §172.510			yes (quebracho)	209 (quebracho bark)
Astragalus gummifer Labill.	Tragacantha shrub	COE79	3079	CFR.21 §184.1351	N372 (tragacanth gum)	Astragalus gummifer Lab. (All parts)		
Astragalus shinanensis Ohwi	Kibanaohgi						yes (Kibanaohgi)	
Astragalus sinicus L.	Renge						yes (Renge)	
Atractylis ovata	Atractylis				N052 (oil)			
Atractylodes japonica Koidz. ex Kitam.	Okera						yes (Okera)	
Auricularia auricula-judae (Bull.) Qué.	Jew's-ear						yes (Kikurage; Jew's-ear)	
Avena sativa L.	oat						yes (cereals)	
Averrhoa bilimbi L.	Bilimbi	COE82						
Averrhoa carambola L.	Starfruit	COE83					yes (Starfruit; Carambora)	
Baccharis genistelloides (Lam.) Pers.	Carqueja	COE495; COE2015;				Baccharis genistelloides Pers. (All parts)		

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<i>Ballota nigra</i> L.	Black hempnettle	COE84				<i>Ballota nigra</i> L. (All parts)		
<i>Bellis perennis</i> L.	Common Daisy					<i>Bellis perennis</i> (Leaves, twigs, flowers)		
<i>Benincasa hispida</i> (Thunb.) Cogn.	Wax gourd						yes (Fruit vegetable)	
<i>Berberis vulgaris</i> L.	Barberry	COE86				<i>Berberis vulgaris</i> (Fruits)	yes (barberry)	
<i>Beta vulgaris</i> L.	Beet	COE496; COE541; COE2016;	4229				yes (Root and tuber vegetables)	
<i>Betonica officinalis</i> L.	Wood betony	COE87				<i>Betonica officinalis</i> L (All parts)	yes (Betony)	
<i>Betula alba</i> L.	Sweet birch					<i>Betula alba</i> L. (All parts)	yes (birch)	
<i>Betula lenta</i> L.	Wintergreen	COE89	2154		N125 (oil);		yes (birch)	
<i>Betula pendula</i> Roth	european white birch	COE88				<i>Betula pendula</i> (All parts)	yes (birch)	
<i>Bidens pilosa</i> L.	Black-jack					<i>Bidens pilosa</i> (Leaves)		
<i>Bidens tripartita</i> L.	Water agrimony					<i>Bidens tripartita</i> (Leaves and flowers)		
<i>Bixa orellana</i> L.	Anatto shrub	COE90	2103; 2104		N362 (extract)		yes (Annatto)	
<i>Boehmeria nivea</i> (L.) Gaudich.	Ramie		4956			<i>Boehmeria nivea</i> (Leaves, roots and seeds)		
<i>Boletus edulis</i> L.	cepe (french)					<i>Boletus edulis</i> (all parts)		
<i>Borago officinalis</i> L.	Borage						yes (borage)	
<i>Boronia megastigma</i> Nees ex Bartl.	Boronia	COE91	2167	CFR.21 §172.510	N187 (absolute);	<i>Boronia megastigma</i> Nees (Flowers)	yes (boronia)	27 (boronia flowers)
<i>Bos taurus</i> Linnaeus	Aurochs						yes (meat, milk)	
<i>Boswellia sacra</i> Flueck.	Olibanum tree	COE93	2816	CFR.21 §172.510	N177 (olibanum oil)	<i>Boswellia</i> spp. (All parts)	yes (olibanum)	170 (olibanum)
<i>Brassica juncea</i> (L.) Coss.	indian mustard			CFR.21 §182.10; CFR.21 §182.20		<i>Brassica</i> spp. (All parts)		164 (mustard) (<i>Brassica</i> spp.)
<i>Brassica napus</i> L.	Colewort	COE94				<i>Brassica</i> spp. (All parts)		
<i>Brassica nigra</i> (L.) Koch	Black mustard	COE95	2760	CFR.21 §182.10; CFR.21 §182.20	N266 (extract)	<i>Brassica nigra</i> (L.) Koch (All parts)	yes (mustard)	164 (mustard) (<i>Brassica</i> spp.)
<i>Brassica oleracea</i> L.	Wild cabbage	COE2018				<i>Brassica</i> spp. (All parts)	yes (Leaf vegetables)	
<i>Brassica oleracea</i> var <i>botrytis</i> L.	Cauliflower	COE2019				<i>Brassica</i> spp. (All parts)		
<i>Bryonia alba</i> L.	Bryonia, white or common			CFR.21 §172.510 (In alcoholic beverages only)			yes (bryonia)	28 (bryonia root)
<i>Buddleia officinalis</i> Maximowicz	Watafujutsugi						yes (Watafujutsugi)	
<i>Buddleia</i> spp.	Buddleia	COE2020				<i>Semua Buddleia</i> sp. kecuali <i>Buddleia parviflora</i> Kun (All parts)		
<i>Bulnesia sarmientoi</i> Lorentz ex Griseb.	Guaiaac		2533; 2534	CFR.21 §172.510	N144 (wood oil)	<i>Bulnesia sarmienti</i> Lor. (All parts)	yes (Guaiaicum)	119 (guaiaic)
<i>Bupleurum falcatum</i> L.	Mishimasaiko						yes (Mishimasaiko)	
<i>Bursera</i> spp. and <i>Protium</i> spp.	Linaloe tree	COE236	2634	CFR.21 §172.510		<i>Bursera</i> ssp. and <i>Protium</i> ssp. (All parts)	yes (linaloe)	145 (linaloe wood)
<i>Caesalpinia echinata</i> Lam.	Brazil wood;	COE98				<i>Caesalpinia echinata</i> Lam. (All parts)		
<i>Calamintha officinalis</i> Moench	Wild basil	COE99				<i>Calamintha officinalis</i> Moench (All parts)	yes (Calamint)	
<i>Calendula officinalis</i> L.	Marigold	COE101	2658	CFR.21 §182.10		<i>Calendula officinalis</i> L. (All parts)	yes (marigold)	
<i>Calluna vulgaris</i> (L.) Hull	Common heather	COE102				<i>Calluna vulgaris</i> (L.) Hull. (All parts)	yes (Heather)	
<i>Camellia japonica</i> L.	Camellia						yes (camellia)	
<i>Camellia sinensis</i> (L.) Kuntze	Tea bush	COE451	4812	CFR.21 §182.20	N127 (green tea tincture); N041 (black tea tincture)		yes (green tea); yes (black tea); yes (Oolong tea)	248 (tea)
<i>Cananga odorata</i> (Lam) Hook. & Thomson	Ylang-Ylang	COE103; COE103B	2232; 3119	CFR.21 §182.20	N067 (ylang ylang oil); N160 (canaga oil);	<i>Cananga odorata</i> (Lam) Hook. & Thomson (All parts)	yes (ylang ylang)	36 (cananga) 269 (ylang ylang)
<i>Canarium album</i> (Lour.) Raeusch. ex DC.	Chinese olive						yes (chinese olive)	
<i>Canarium commune</i> L.	Galip nut		2407; 2408	CFR.21 §172.510	N217 (resinoid); N271 (oil, resinoid);	<i>Canarium</i> ssp. (All parts)	yes (elemi)	97 (Elemi)
<i>Canarium luzonicum</i> (Blume) A.Gray	Elemi	COE104	2407; 2408	CFR.21 §172.510	N217 (resinoid); N271 (oil, resinoid);	<i>Canarium</i> ssp. (All parts)	yes (elemi)	97 (Elemi)
<i>Canella alba</i> Murray	White canella	COE105				<i>Canella alba</i> Murr. (All parts)		

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<i>Cannabis sativa</i> L.	Hemp						yes (Hemp)	
<i>Cantharellus cibarius</i> Fr.	Chanterelle						yes (Anzutake, Chanterelle)	
<i>Capparis spinosa</i> L.	Caper bush	COE106		CFR.21 §182.10		<i>Capparis spinosa</i> (All parts)	yes (caper)	
<i>Capra hircus</i> Linnaeus	Domestic goat						yes (Milk)	
<i>Capsicum annuum</i> L.	Paprika	COE107	2233; 2234; 2266; 2833; 2834; 2849;	CFR.21 §182.10; CFR.21 §182.20	N142 (caPsicum tincture (extract); N143 (PaPrika oleoresin); N227 (caPsicum oleoresin);	<i>Capsicum annuum</i> L. (All parts)	yes (Capsicum; Fruit vegetable)	37 (caPsicum) (CaPsicum frutescens L. and CaPsicum annuum L.) 182 (PaPrika) (caPsicum annuum L.)
<i>Capsicum frutescens</i> L.	Cayenne pepper	COE108	2233; 2234; 2849;	CFR.21 §182.10; CFR.21 §182.20	N142 (capsicum tincture (extract); N227 (capsicum oleoresin);	<i>Capsicum frutescens</i> L. (All parts)	yes (capsicum)	37 (capsicum) (Capsicum frutescens L. and Capsicum annuum L.)
<i>Carica papaya</i> L.	Papaw tree	COE109					yes (papaya)	
<i>Carissa carandas</i> L.	Carissa						yes (Carissa; Karandra)	
<i>Carpinus betulus</i> L.	European hornbeam					<i>Carpinus betulus</i> (Leaves)		
<i>Carthamus tinctorius</i> L.	Safflower	COE110					yes (safflower)	
<i>Carum carvi</i> L.	Caraway	COE112	2236; 2238	CFR.21 §182.10; CFR.21 §182.20	N216 (caraway seed oil);	<i>Carum carvi</i> L. (All parts)	yes (caraway)	38 (caraway)
<i>Carya cathayensis</i> Sarg.	Cathay hickory		2577	CFR.21 §182.20	N232 (Hickory bark extract)	<i>Carya cathayensis</i> (Seeds and wood)		124 (Hickory bark) (<i>Carya</i> spp.)
<i>Carya illinoensis</i> (Wangenh.) K.Koch	Pecan nuts	COE523; COE560; COE1130; COE2021;	4385	CFR.21 §182.20	N232 (Hickory bark extract)	<i>Carya illinoensis</i> (Wangenh.) K. Koch (Shells and seeds)		124 (Hickory bark) (<i>Carya</i> spp.)
<i>Carya ovata</i> (Mill.) K.Koch	Hickory		2577	CFR.21 §182.20	N232 (Hickory bark extract)		yes (Hickory)	124 (Hickory bark) (<i>Carya</i> spp.)
<i>Cassia acutifolia</i> Delile	Senna	COE114; COE114A; COE524; COE561; COE605; COE1140; COE2022		CFR.21 §172.510		<i>Cassia acutifolia</i> Delisle (All parts)	yes (senna)	237 (senna, alexandria)
<i>Cassia fistula</i> L.	Purging cassia	COE115				<i>Cassia fistula</i> L. (All parts)	yes (purging cassia)	
<i>Cassia obtusifolia</i> L.	Ebisugusa						yes (ebisugusa)	
<i>Castanea dentata</i> (Marsh.) Borkh.	Chestnut	COE2024		CFR.21 §172.510	N306 (leaves extract);	<i>Castanea dentata</i> (Marsh.) Borkh. (Leaves)	yes (chestnut)	56 (chestnut leaves)
<i>Castor fiber</i> L.	castoreum	COE554; COE1002; COE3002; COEH (Castor)	2261; 2262	CFR.21 §182.50	N115 (castoreum tincture, extract);		yes (castoreum)	47 (Castoreum)
<i>Catalpa ovata</i> G.Don	Kisasage						yes (Kisasage)	
<i>Cedrus atlantica</i> (Endl.) G.Manetti ex Carrière	Morrocan cedarwood	COE2025				<i>Cedrus atlantica</i> (Endl.) Manetti ex Carr. (All parts)		
<i>Cedrus deodara</i> (Roxb. ex D.Don) G.Don	Himalaya cedarwood	COE2026				<i>Cedrus deodora</i> (D. Don) G. Don (All parts)		
<i>Cedrus libani</i> A.Rich.	Cedar of Lebanon	COE117				<i>Cedrus libani</i> Barrel (All parts)	yes (cedar)	
<i>Cedrus</i> spp.	Cedarwood				N321 (oil terpenes)			
<i>Centaurea centaurium</i> L.	Large centaury	COE118				<i>Centaurea centaurium</i> (All parts)	yes (Centaury)	
<i>Centaurea cyanus</i> L.	Cornflower	COE119				<i>Centaurea cyanus</i> L. (Young shoots and flowers)	yes (Centaury)	
<i>Centaureum umbellatum</i> Gilib	Centaury			CFR.21 §172.510 (in alcoholic beverages only)		<i>Centaureum umbellatum</i> Gilib (All parts (in alcoholic beverages only))	yes (centaury)	
<i>Centella asiatica</i> (L.) Urb.	Asiatic pennywort					<i>Centella asiatica</i> (All parts)		
<i>Ceratonina siliqua</i> L.	Carob tree	COE120	2243; 2648	CFR.21 §182.20; CFR.21 §184.1343	N174 (locust bean oil); N175 (carob bean extract);	<i>Ceratonina siliqua</i> L. (Seeds)	yes (carob, locust bean)	148 (locust bean, carob bean) 228 (St. John's bread)
<i>Cetraria islandica</i> (L.) Ach.	Iceland moss	COE121		CFR.21 §172.510 (in alcoholic beverages only)		<i>Cetraria islandica</i> (L.) Arch. (All parts)	yes (iceland moss)	130 (iceland moss)
<i>Chaenomeles japonica</i> (Thunb.) Lindl. ex Spach	Dwarf Japanese quince						yes (Kusaboke; Dwarf Japanese quince)	
<i>Chaenomeles sinensis</i> (Thouin) Koehne	Chinese quince						yes (chinese quince)	
<i>Chaenomeles speciosa</i> (Sweet) Nakai	Chinese-quince		4932			<i>Chaenomeles speciosa</i> (Fruits and leaves)		
<i>Chamaecyparis obtusa</i> (Siebold et Zuccarini) Endlicher	Hinoki					<i>Chamaecyparis obtusa</i> (All parts)	yes (hinoki)	

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Chelidonium majus L.	Greater celandine	COE122						
Chimaphila umbellata (L.) Nutt.	Pipsissewa	COE124	2914	CFR.21 §182.20		Chimaphila umbellata (L.) Nutt. (Leaves)	yes (Common pipsissewa)	204 (Pipsissewa leaves)
Chlorella pyrenoides Chick	Chlorella						yes (chlorella)	
Chondrus crispus (L.) Stackh.	Irish moss	COE125	2596			Chondrus crispus (L.) Stackh. (All parts)		
Chrysanthemum morifolium Ramat.	Chrysanthemum		4689		N059 (flower oil); N060 (flower extract)	Chrysanthemum morifolium (Flowers and leaves)	yes (Chrysanthemum)	
Chrysanthemum parthenium (L) Bernh.	Common pellitory	COE382	4837			Chrysanthemum parthenium (L) Bernh. (Flowers)	yes (Pellitory)	
Cichorium endivia L.	Endive						yes (endive)	
Cichorium intybus L.	Chicory	COE127	2280	CFR.21 §182.20	N134 (concrete, extract);	Cichorium intybus L. Pav. Ex Klotzsch. (All parts)	yes (chicory)	57 (chicory)
Cimicifuga simplex Wormsk. ex DC.	Sarashinashoma						yes (Sarashinashoma)	
Cinchona calisaya Wedd.	Yellow cinchona		2283; 2284; 2285	CFR.21 §172.510 (In beverages only; not more than 83 ppm total cinchona alkaloids in finished beverages)	N256 (bark, yellow); N288 (bark extract, yellow);	Cinchona spp. (Bark)	yes (Cinchona)	60 (cinchona yellow, bark)
Cinchona officinalis L.	Cinchona	COE2027				Cinchona spp. (Bark)	yes (Cinchona)	
Cinchona pubescens Vahl	Red cinchona	COE128	2281; 2282; 2285	CFR.21 §172.510 (In beverages only; not more than 83 ppm total cinchona alkaloids in finished beverages)		Cinchona succirubra Pav or its hybrids (Bark)	yes (Cinchona)	59 (cinchona, red, bark)
Cinnamomum burmannii Blume	Batavia cinnamon	COE129	2289	CFR.21 §182.10; CFR.21 §182.20		Cinnamomum spp. (All parts)	yes (cinnamon)	44 (Cassia bark, Padang, Batavia)
Cinnamomum camphora (L.) Nees & Eberm.	Camphor tree	COE130; COE130a; COE130b	2231	CFR.21 §172.510 (safrole free)	N165 (camphor oil, white);	Cinnamomum spp. (All parts)	yes (camphor tree)	35 (camphor tree)
Cinnamomum camphora (Linne) Presl var. nominale Hyata subvar. Hoshō Hatusima	Houshou					Cinnamomum spp. (All parts)	yes (Houshou)	
Cinnamomum cassia (L.) J.Presl	Cassia	COE131	2256; 2257; 2258; 2259; 2289; 2290; 2291; 2292	CFR.21 §182.10; CFR.21 §182.20	N039 (oil); N040 (bark tincture (extract); N116 (bark oil, srilanka); N117 (leaf oil, srilanka); N364 (Cinnamon bark oil/oleoresin)	Cinnamomum spp. (All parts)	yes (cinnamon)	43 (Cassia bark, chinese) 62 (Cinnanom bark, chinese) 65 (cinnamon leaf, Chinese)
Cinnamomum glaucescens (Nees) Hand.-Mazz.	Cinnamon		2289			Cinnamomum spp. (All parts)		
Cinnamomum loureiroi Nees	Cinnamon of Saigon	COE132	2289; 2290; 2291; 2292	CFR.21 §182.10; CFR.21 §182.20	N116 (bark oil, srilanka); N117 (leaf oil, srilanka); N364 (Cinnamon bark oil/oleoresin)	Cinnamomum spp. (All parts)	yes (cinnamon)	45 (Cassia bark, saigon) 63 (Cinnamon bark, Saigon) 66 (cinnamon leaf, Saigon)
Cinnamomum verum J.S. Presl.	Cinnamon	COE133	2289; 2290; 2291; 2292	CFR.21 §182.10; CFR.21 §182.20	N116 (bark oil, srilanka); N117 (leaf oil, srilanka); N364 (Cinnamon bark oil/oleoresin)	Cinnamomum spp. (All parts)	yes (cinnamon)	61 (cinnamon bark, Ceyon) 64 (cinnamon leaf, Ceyon)
Cistus creticus L.	Rock rose					Cistus spp. (All parts)	yes (Labdanum, Ciste)	
Cistus ladanifer L.	Labdanum	COE134	2608; 2609; 2610	CFR.21 §172.510	N063 (oleoresin); N273 (absolute); N339 (oil)	Cistus spp. (All parts)	yes (Labdanum, Ciste)	135 (labdanum)
Citrullus lanatus (Thun.) Mansf.	Great water melon	COE135				Citrullus lanatus (Thunberg) Mansfeld (All parts)	yes (watermelon)	
Citrus aurantium ssp. amara var. pumilia	Myrtle-leaved orange tree	COE138	2318	CFR.21 §182.20		Citrus spp. (All parts)		68 (citrus Peels)
Citrus aurantiifolia (Christm.) Swingle	Lime	COE141	2318; 2631; 2632; 4743; 4849	CFR.21 §182.20	N034 (lime oil); N035 (lime oil terpene); N262 (lime oil, expressed terpeneness);	Citrus spp. (All parts)	yes (Lime)	68 (citrus Peels) 144 (lime)

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Citrus aurantium L. subspecies cyathifera Y	Daidai		3823; 2318	CFR.21 §182.20	N080 (flower oil); N081 (concrete); N082 (fruit oil); N225 (Peel oil);	Citrus spp. (All parts)	yes (Petitgrain); yes (Orange flower); yes (Orange)	68 (citrus Peels)
Citrus aurantium subsp. bergamia (Risso) Wight & Arn.	Bergamot	COE137	2153; 2318	CFR.21 §182.20	N101 (oil)	Citrus spp. (All parts)	yes (bergamot)	23 (bergamot, bergamot orange) 68 (citrus peels)
Citrus clementina Hort. ex Tanaka	Algerian clementine	COE2031a	4855			Citrus spp. (All parts)	yes (citrus)	68 (citrus Peels)
Citrus depressa Hayata	Sikuwasya		4859			Citrus spp. (All parts)	yes (citrus)	
Citrus hassaku hort. ex Tanaka	Hassaku		4858			Citrus spp. (All parts)	yes (citrus)	
Citrus iyo Tanaka	Iyokan		4857			Citrus spp. (All parts)	yes (citrus)	
Citrus japonica Thunb.	Kumquat	COE2032				Citrus spp. (All parts)	yes (citrus)	68 (citrus Peels)
Citrus junos Siebold ex Tanaka	Yuzu		2318; 4862	CFR.21 §182.20	N329 (Peel oil)	Citrus spp. (All parts)	yes (Yuzu)	68 (citrus Peels)
Citrus limon (L.) Osbeck	Lemon	COE139; COE139A; COE139B; COE525; COE1410; COE2034;	2318; 2623; 2625; 2626; 2853; 4848; 4852; 4976	CFR.21 §182.20	N086 (lemon oil); N087 (lemon oil, terpeneless); N088 (lemon oil, terpenes); N089 (Petitgrain lemon oil); N315 (lemon extract);	Citrus spp. (All parts)	yes (lemon)	68 (citrus Peels) 141 (lemon) 143 (lemon Peel) 196 (Petitgrain lemon) (Citrus limon L.)
Citrus madurensis Loureiro	Calamondin		2318	CFR.21 §182.20		Citrus spp. (All parts)	yes (calamondin)	68 (citrus Peels)
Citrus maxima (J. Burman) Merr.	Pummelo	COE2037	2318	CFR.21 §182.20	N083 (Peel oil)	Citrus spp. (All parts)	yes (Grapefruit)	68 (citrus Peels)
Citrus medica L.	citron tree	COE2035	4849			Citrus spp. (All parts)		68 (citrus Peels)
Citrus medica L. var. sarcodactylus Swingle	Sarcodactylis		2318; 3899		N072 (oil);	Citrus spp. (All parts)	yes (citrus)	68 (citrus Peels)
Citrus natsudaikai (Yu.Tanaka) Hayata	Natsumikan		4860			Citrus spp. (All parts)	yes (Mikan)	
Citrus paradisi Macfad.	Grapefruit	COE140	2318; 2530; 2769; 4846; 4847; 4851	CFR.21 §182.20	N051 (grapefruit oil expressed); N222 (naringin extract); N269 (grapefruit oil terpenes);	Citrus spp. (All parts)	yes (Grapefruit)	68 (citrus Peels) 118 (grapefruit) 167 (naringin)
Citrus reticulata Blanco	Mandarin	COE142; COE2039	2318; 2657; 2854; 3041; 4865	CFR.21 §182.20	N169 (tangerine oil); N110 (mandarin oil); N111 (mandarin oil, terpeneless); N366 (Petitgrain mandarin oil)	Citrus spp. (All parts)	yes (tangerine, mandarine)	68 (citrus Peels) 154 (mandarin) 197 (Petitgrain mandarin and tangerine) (Citrus reticulata blanco) 246 (tangerine)
Citrus sinensis (L.) Osbeck	Sweet orange	COE143	2318; 2821; 2822; 2824; 2825; 2826; 4850; 4856; 4866	CFR.21 §182.20	N131 (orange oil); N132 (orange oil, terpeneless); N133 (orange oil, terpenes); N226 (orange oil, sweet cold Pressed); N263 (orange Peel oil, sweet, terpeneless); N327 (orange Peel extract, sweet);	Citrus spp. (All parts)	yes (Orange); yes (Orange flower)	68 (citrus Peels) 175 (orange, sweet) 176 (orange, sweet, flowers) 177 (orange, sweet, Peel) 178 (orange leaf)
Citrus sphaerocarpa	Kabosu		4864			Citrus spp. (All parts)	yes (Yuzu)	
Citrus spp.	Citrus		2318	CFR.21 §182.20		Citrus spp. (All parts)	yes (citrus)	68 (citrus Peels)
Citrus sudachi hort. ex Shirai	Sudachi		4863			Citrus spp. (All parts)	yes (Yuzu)	
Citrus unshiu (Swingle) Marcow.	Satsuma mandarin	COE604; COE2031	4861			Citrus spp. (All parts)	yes (Mikan)	68 (citrus Peels)
Citrus x aurantium L.	Bitter orange	COE136; COE136A; COE136B; COE136C	2318; 2344; 2345; 2771; 2818; 2819; 2820; 2823; 2855; 4853	CFR.21 §182.20	N149 (Petitgrain bigarade oil); N221 (orange flower absolute); N254 (orange leaf absolute); N255 (orange oil, bitter); N346 (neroli bigarade oil)	Citrus spp. (All parts)	yes (Petitgrain); yes (Orange flower); yes (Orange)	68 (citrus Peels) 82 (curacao orange Peel, bitter orange Peel) 168 (neroli, bigarde) 173 (orange, bitter, flowers) 174 (orange, bitter, Peel) 195 (Petitgrain)
Citrus x latifolia (Yu.Tanaka) Yu.Tanaka	Tahiti lime		2318; 4744; 4849			Citrus spp. (All parts)	yes (Lime)	68 (citrus Peels)
Citrus x meyeri	Meyer lemon oil, cold pressed		4770			Citrus spp. (All parts)	yes (Lemon)	
Citrus x tangelo J.W.Ingram & H.E.Moore	Tangelo		4854		N304 (oil)	Citrus spp. (All parts)		

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<i>Clinopodium vulgare</i> L.	Wild basil	COE526; COE2040; COE3700;				<i>Clinopodium vulgare</i> L. (All parts)		
<i>Clupea pallasii</i> Valenciennes	Pacific herring						yes (fish)	
<i>Cnicus benedictus</i> L.	Holy thistle	COE144		CFR.21 §172.510 (In alcoholic beverages only)		<i>Onicis benedictus</i> L. (All parts)	yes (blessed thistle); yes (Thistle)	249 (thistle, blessed, holy thistle)
<i>Cnidium monnieri</i> (Linne) Cusson	Cnidium fruit					<i>Cnidium monnieri</i> (Seeds and fruits)	yes (Cnidium fruit)	
<i>Cnidium officinale</i> Makino	Senkyu					<i>Cnidium officinale</i> (Roots and shoots)	yes (Senkyu)	
<i>Coccus cacti</i> L.	Carmine		2242					
<i>Cocos nucifera</i> L.	Coconut	COE147					yes (coconut)	
<i>Codium fragile</i> (Suringar) Hariot	Sponge seaweed						yes (Seaweed)	
<i>Coffea arabica</i> L.	Coffee	COE148		CFR.21 §182.20	N064 (coffee tincture);		yes (coffee)	73 (coffee) (coffea species)
<i>Coffea canephora</i> Pierre ex Froehner	Coffee	COE148A					yes (coffee)	73 (coffee) (coffea species)
<i>Coix lacryma-jobi</i> var. <i>mayuen</i> (Rom.Caill.) Stapf	Job's tears					<i>Coix Lacryma-Jobi</i> (Seeds)	yes (Job's tears)	
<i>Cola acuminata</i> (P.Beauv.) Schott & Endl.	Kola	COE 149	2607	CFR.21 §182.20	N155 (nut extract)	<i>Cola acuminata</i> Schott and Endl., and other spp. of <i>Cola</i> . (Fruits)	yes (Cola)	75 (Cola nut)
<i>Cola nitida</i> (Vent.) Schott & Endl.	Kola	COE 2041		CFR.21 §182.20		<i>Cola acuminata</i> Schott and Endl., and other spp. of <i>Cola</i> . (Fruits)	yes (Cola)	75 (Cola nut)
<i>Colocasia esculenta</i> (L.) Schott	Cocoyam						yes (Root and tuber vegetables)	
<i>Commelina communis</i> L.	Tsuyukusa						yes (Tsuyukusa)	
<i>Commiphora myrrha</i> (T.Nees) Engl.	Myrrh	COE150	2765; 2766	CFR.21 §172.510	N178 (oil);	<i>Commiphora</i> spp. (All parts)	yes (Myrrh)	165 (myrrh)
<i>Conger myriaster</i> Brevoort	Whitespotted conger						yes (fish)	
<i>Convolvulus scoparius</i> L.f.	Rose wood	COE152				<i>Convolvulus scoparius</i> L (Wood and roots)	yes (rosewood)	
<i>Copaifera officinalis</i> L.	Copaiba	COE499; COE2043;		CFR.21 §172.510		<i>Copaifera officinalis</i> (Jacq.) L. (All parts)	yes (copaiba)	76 (copaiba)
<i>Coptis teeta</i> Wall.	Gold thread	COE153					yes (goldthread)	
<i>Corbicula japonica</i> Prime	Japanese basket clam						yes (Shellfish)	
<i>Corbicula leana</i> Prime	<i>C. leana</i> clam						yes (Shellfish)	
<i>Corbicula sandai</i> Reinhardt	<i>C. sandai</i> clam						yes (Shellfish)	
<i>Corchorus olitorius</i> L.	Jew's mallow						yes (Jew's mallow)	
<i>Cordyceps sinensis</i> (Berk.) Sacc.			4878					
<i>Coriandrum sativum</i> L.	Coriander	COE154	2333; 2334	CFR.21 §182.10; CFR.21 §182.20	N047 (oil); N324 (oleoresin);	<i>Coriandrum sativum</i> L. (All parts)	yes (coriander)	77 (coriander)
<i>Cornus officinalis</i> Siebold & Zucc.	Sanshuyu						yes (Sanshuyu)	
<i>Corydarlis turtschaninovii</i> Besser forma <i>yanhusuo</i> Y.H. Chou et C.C. Hsu	Engosaku						yes (engosaku)	
<i>Corylus avellana</i> L.	Hazelnut tree	COE155					yes (hazelnut)	
<i>Corymbia citriodora</i> (Hook.) K.D. Hill & L.A.S. Johnson	Lemon-scented gum	COE186	5040			<i>Eucalyptus citriodora</i> Hook (All parts)	yes (Eucalyptus)	
<i>Corynebacterium ammoniagenes</i> (Cooke & Keith) Collins			4949					
<i>Corynebacterium casei</i> Brennan et al.			5029					
<i>Corynebacterium glutamicum</i> (Kinoshita et al.) Abe et al.			4907; 4964					
<i>Corynebacterium stationis</i> (ZoBell & Upham) Bernard et al.			4908					
<i>Crataegus oxyacantha</i> L.	Hawthorn	COE156			N014 (fruit tincture);		yes (hawthorn)	
<i>Creolophus spathulatus</i> Imazeki	Bunaharitake						yes (Bunaharitake)	
<i>Crocus sativus</i> L.	Saffron	COE157	2998; 2999	CFR.21 §182.10; CFR.21 §182.20	N312 (extract);	<i>Crocus sativus</i> L. (All parts)	yes (saffron)	224 (saffron)

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Croton eluteria (L.) W.Wright	Cascarilla tree	COE158	2254; 2255	CFR.21 §182.20	N157 (cascarilla bark oil); N363 (bark extract)	Croton eluteria Benn. (Bark)	yes (cascarilla)	42 (cascarilla bark)
Cryptocarya massoy (Oken) Kosterm.	Massoia	COE500; COE2029; COE2044;	3747		N397 (bark oil)	Cryptocarya massoia (All parts)	yes (massoi)	
Cryptomeria japonica (Thunb. ex L.f.) D.Don	Sugi						yes (Sugi, peacock pine)	
Cryptotaenia japonica Hassk.	Japanese honewort						yes (Leaf vegetables)	
Cucumis melo L.	Sweet melon	COE159				Cucumis melo var. cantalupo (Fruits and seeds)	yes (melon; Fruit vegetable)	
Cucumis sativus L.	Cucumber	COE160					yes (cucumber)	
Cucurbita maxima Duchesne	Squash						yes (Fruit vegetable)	
Cucurbita moschata Duchesne	Crookneck pumpkin						yes (Fruit vegetable)	
Cucurbita pepo L.	Pumpkin					Cucurbita pepo (Fruit and seeds)		
Cuminum cyminum L.	Cumin	COE161	2340; 2343	CFR.21 §182.10; CFR.21 §182.20	N085 (seed oil)	Cuminum cyminum L. (All parts)	yes (cumin)	81 (Cumin)
Cupressus funebris Endl.	Chinese weeping chamaecyparis					Cupressus funebris (All parts)		
Cupressus sempervirens L.	Cypress	COE162			N106 (oil);	Cupressus sempervirens L. (All parts)	yes (cypress)	
Curcuma longa L.	Turmeric	COE163	3085; 3086; 3087	CFR.21 §182.10; CFR.21 §182.20	N076 (oil); N078 (concrete); N077 (oleoresin);	Curcuma longa L. (All parts)	yes (turmeric)	255 (turmeric)
Curcuma zedoaria (Christm.) Roscoe	Zedoary	COE164	3122; 3123	CFR.21 §182.10; CFR.21 §182.20		Curcuma zedoaria Rosc. (Bark)	yes (zedoary)	271 (zedoary bark)
Cyamopsis tetragonoloba (L.) Taub.	Guar		2537	CFR.21 §184.1339		Cyamopsis tetragonoloba (L.) Taub. (Seeds)		
Cydonia oblonga Mill.	Quince	COE167	2974	CFR.21 §182.40		Cydonia oblonga miller (Seeds)	yes (quince)	211 (Quince seed)
Cymbopogon citratus Stapf. A.P. Decandolle	West Indian Lemongrass	COE38	2624	CFR.21 §182.20	N090 (oil);		yes (lemongrass)	142 (lemon grass)
Cymbopogon flexuosus (Nees ex Steud.) W.Watson	Lemongrass, east indian	COE2045	2624	CFR.21 §182.20		Cymbopogon flexuosus (Nees ex Steud.) W. Wats. (Stem and leaves)	yes (Lemongrass)	
Cymbopogon martinii (Roxb) W. Wats. var motia	Palmarosa	COE40; COE2046	2831	CFR.21 §182.20	N189 (oil);	Cymbopogon martinii (Stem and leaves)	yes (palamrosa)	113 (geranium, east indian) 181 (Palmarosa)
Cymbopogon nardus (L.) Rendle	Citronella	COE39; COE2046A	2308	CFR.21 §182.20	N190 (oil);	Cymbopogon nardus Rendle (Stem and leaves)	yes (citronella)	67 (citronella)
Cymbopogon winterianus Jowitt ex Bor	Java citronella		2308			Cymbopogon winterianus (Stem and leaves)	yes (Citronella)	
Cynara cardunculus L.	Cardoon	COE168					yes (Artichoke)	
Cynara scolymus L.	Artichoke	COE168A; COE565; COE1680; COE2047;		CFR.21 §172.510 (in alcoholic beverages only)		Cynara scolymus L. (All parts)	yes (artichoke)	15 (artichoke leaves)
Cyperus rotundus L.	Hamasuge						yes (Hamasuge)	
Cyphomandra betaceae (Chv.) Sendt	Tomato tree	COE169						
Cytisus scoparius Link.	Common broom	COE170					yes (Genet)	
Daemonorops draco Blume	Dragon	COE100; COE531; COE2048;	2404	CFR.21 §172.510		Daemonorops draco Blume (All parts)	yes (dragon's blood)	93 (Dragon's blood, dracorubin)
Dammara Australis	Cowrie	COE16						
Daphne genkwa Siebold et Zuccarini	Fujimodoki						yes (Fujimodoki)	
Daucus carota L.	Carrot	COE173; COE173a	2244	CFR.21 §182.20	N194 (carrot seed oil);	Daucus carota L. (All parts)	yes (carrot)	40 (carrot)
Decalepis hamiltonii	Swallowroot		4283		N392 (extract)	Decalepis hamiltonii (All parts)		
Dianthus caryophyllus L.	Carnation	COE174				Dianthus caryophyllus (Flowers)	yes (carnation)	
Dianthus superbus var. longicalycinus (Maxim.) F.N.Williams	Nadeshiko					Dianthus superbus (Leaves and flowers)	yes (Nadeshiko)	
Dictamnus albus L.	White dittany	COE175		CFR.21 §172.510 (in alcoholic beverages only)		Dictamnus albus L. (All parts)	yes (dittany)	90 (dittany, fraxinella, roots)

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Dicypellium caryophyllatum Nees	Clove bark	COE176				Dicypellium caryophyllatum Nees (Leaves, bark, wood, flowers)		
Digenea simplex (Wulfen) G. Agardh	Kaininso						yes (Kaininso)	
Diospyros kaki Thunb.	Kaki	COE177				Diospyros kaki (Fruits)	yes (japanese persimmon)	
Dipterix odorata (Aublet) Will.	Tonquin bean	COE178					yes (tonka bean)	
Dipterocarpus spp.	Gurjun	COE2049				Dipterocarpus spp. (Bark)		
Drosera rotundifolia Linne	Sundew						yes (Sundew)	
Durio zibethinus L.	Durian						yes (durian)	
Echinacea purpurea (L.) Moench	Echinacea					Echinacea (Leaves and flowers)	yes (Echinacea)	
Echinochloa frumentacea Link	Japanese millet						yes (cereals)	
Edgeworthia chrysantha Lindley	Mitsumata						yes (Mitsumata)	
Eisenia bicyclis (Kjellman) Setchell	Arame						yes (Seaweed)	
Eleaagnus angustifolia L.	Oleaster	COE501; COE2050				Eleaagnus angustifolia (Fruits and flowers)	yes (gumi; oleaster)	
Eleaagnus commutata Bernh. ex Rydb.	Silverberry	COE502; COE2051;				Eleaagnus commutata Bernh. Ex Rubd. (Fruits)	yes (Gumi, Oleaster)	
Eleaagnus multiflora var. multiflora	Goumi	COE504; COE2052;						
Eleaagnus multiflora Thunb.	Goumi	COE503					yes (Gumi, Oleaster)	
Eleaagnus umbellata Thunb.	Autumn olive	COE505; COE2053;				Eleaagnus umbellata Thunb (Fruits)		
Elettaria cardamomum (L.) Maton	Cardamom	COE180	2240; 2241	CFR.21 §182.10; CFR.21 §182.20	N010 (cardamom oil); N011 (cardamom tincture);	Elettaria cardamomum (L.) Maton (Seeds)	yes (cardamon)	39 (cardamom seed, cardamon)
Eleutherococcus senticosus (Rupr. Et Maxim)	Eleutherococcus						yes (Eleutherococcus)	
Eleutherococcus sieboldianus (Makino) Koidz.	Ukogi						yes (Ukogi)	
Elsholtzia ciliata (Thunb.) Hyl.	Naginatakoju						yes (Naginatakoju)	
Engraulis encrasicolus Linnaeus	Southern African anchovy						yes (fish)	
Engraulis japonicus Temminck & Schlegel	Japanese anchovy						yes (fish)	
Enteromorpha intestinalis Link	Nori						yes (Nori, Laver)	
Epimedium grandiflorum C.Morren	Ikariso						yes (Ikariso)	
Equisetum arvense L.	Tsukushi						yes (Tsukushi; Fern-ally)	
Erica cinerea L.	Bell heather	COE102A; COE559; COE1020; COE2054;				Erica cinerea L. (Herbs, fruit)		
Erigeron canadensis L.	Erigeron	COE181	2409	CFR.21 §172.510	N293 (fleabane oil);	Erigeron canadensis L. (All parts)	yes (erigeron)	98 (Erigeron)
Eriobotrya japonica (Thunb.) Lindl.	Biwa		4933			Eriobotrya japonica (Fruits)	yes (Biwa, Loquat)	
Eriodictyon californicum (Hook. & Arn.) Torr.	Santa herb	COE182	3118	CFR.21 §172.510	N278 (fluid extract);	Eriodictyon californicum Hook. & Arn. Torr. (All parts)	yes (santa herb)	271 (Santa herb)
Erythraea centaureum Pers.	Small centaury	COE183				Erythraea centaureum Pers. (All parts)		51 (centuary)
Erythronium japonicum Decne.	Katakuri						yes (Katakuri)	
Erythroxylum coca Lam.	Coca	COE184	2329	CFR.21 §182.20		Erythroxylum coca Lam. (All parts)	yes (coca)	72 (coca, decocainized)
Eucalyptus diversicolor F.v.Muell.	Karri	COE2055				Eucalyptus diversicolor F. v. Muell. (All parts)		
Eucalyptus globulus Labill.	Eucalyptus	COE185	2466	CFR.21 §172.510	N114 (eucayPtus oil);	Eucalyptus globulus Labill. (Leaves)	yes (eucalyptus)	100 (EucalyPtus globulus leaves)
Eucalyptus occidentalis Endl.	Flat topped yate	COE2056				Eucalyptus occidentalis Endl. (All parts)		
Eucommia ulmoides Oliver	Tochu						yes (Tochu)	
Eugenia jambolana Lam.	Jambul	COE442				Eugenia jambolana Lam (Fruits, leaves and flowers)	yes (Rose apple)	
Eugenia malaccensis L.	Malay apple	COE189				Eugenia malaccensis L. (Flowers, fruits, stems and leaves)		

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<i>Eugenia uniflora</i> L.	Brazilian cherry	COE190				<i>Eugenia uniflora</i> (Leaves, flowers and fruits)		
<i>Eupatorium Fortunei</i>	Fujibakama						yes (Fujibakama)	
<i>Eupatorium triplinerve</i> Vahl	White snakeroot	COE191				<i>Eupatoria triplinerve</i> Vahl. (Herbs, roots)	yes (Eupatorium)	
<i>Euphausia superba</i> Dana	Krill						yes (Krill)	
<i>Euphrasia officinalis</i> L.	Eyebright	COE192					yes (Eyebright)	
<i>Euryganium sumbul</i>	Sumbul	COE193				<i>Ferula</i> spp. (All parts)		
<i>Euterpe oleracea</i> Mart.	Acai berry		4547			<i>Euterpe oleracea</i> (Fruits)		
<i>Eutrema japonicum</i> Koidz.	Wasabi						yes (Wasabi)	
<i>Evernia prunastri</i> (L.) Ach.	Oak moss	COE194; COE2057	2795	CFR.21 §172.510 (finished food thujone free)	N095 (treemoss absolute); N096 (treemoss concrete); N148 (oakmoss concrete); N353 (Oakmoss absolute)	<i>Evernia prunastri</i> (L.) Ach. (All parts)	yes (oak moss)	270 (Oak moss)
<i>Fagopyrum esculentum</i> Moench	common buckwheat						yes (cereals)	
<i>Fagus sylvatica</i> L.	Beech					<i>Fagus sylvatica</i> (Leaves)	yes (beech)	
<i>Fallopia dumetorum</i> (L.) Holub	Desert-knot grass	COE357				<i>Polygonum dumetorum</i> L (Leaves, roots, seeds, herbs)	yes (Knotgrass)	
<i>Feijoa sellowiana</i> (O.Berg) O.Berg	Feijoa						yes (Feijoa)	
<i>Ferula assa-foetida</i> L.	Asafoetida	COE196	2106; 2107; 2108	CFR.21 §182.20	N183 (oil); N335 (fluid extract)	<i>Ferula</i> spp. (All parts)	yes (asafoetida)	16 (asafoetida)
<i>Ferula ceratophylla</i> Regel et Schmal.	Galbanum	COE2060				<i>Ferula</i> spp. (All parts)		
<i>Ferula gummosa</i> Boiss.	Galbanum	COE197	2501; 2502	CFR.21 §172.510	N207 (galbanum oil);	<i>Ferula</i> spp. (All parts)	yes (galbanum)	107 (galbanum)
<i>Ferula rubricaulis</i> Boiss.	Gum called asafoetida	COE2061				<i>Ferula</i> spp. (All parts)	yes (galbanum)	
<i>Ficus carica</i> L.	Fig tree	COE198				<i>Ficus carica</i> L (Fruit and seeds)	yes (fig)	
<i>Filipendula ulmaria</i> (L.) Maxim.	Meadowsweet	COE199A				<i>Spiraea ulmaria</i> L. (All parts)	yes (Meadowsweet)	
<i>Flammulina velutipes</i> (Curtis) Singer	Enokidake						yes (Enokidake)	
<i>Foeniculum vulgare</i> Mill ssp. <i>piperitum</i> (Ucra) Countinho	Bitter fennel	COE201; COE201A					yes (fennel)	
<i>Foeniculum vulgare</i> Mill.	Common Fennel		2481; 5027	CFR.21 §182.10	N012 (fennel, tincture); N181 (fennel oil, common);	<i>Foeniculum vulgare</i> Mill (All parts)	yes (fennel)	
<i>Foeniculum vulgare</i> Mill. var. <i>dulce</i> (DC.) Alef.	Sweet fennel	COE200	2482; 2483	CFR.21 §182.10; CFR.21 §182.20	N129 (fennel oil, sweet)		yes (fennel)	101 (fennel, sweet)
<i>Fomes officinalis</i> (Vill. Fr.) Ames	Larch agaric	COE527; COE2061A; COE2069;						
<i>Fomitopsis officinalis</i> (Vill.) Bondartsev & Singer	Sarunokoshikake						yes (Sarunokoshikake)	
<i>Forsythia suspensa</i> Vahl	Rengyo						yes (Rengyo)	
<i>Fragaria vesca</i> L.	Wild strawberry	COE203					yes (Strawberry)	
<i>Fragaria virginiana</i>	Strawberry	COE202					yes (strawberry)	
<i>Fraxinus excelsior</i> L.	Common ash	COE204				<i>Fraxinus excelsior</i> L. (Leaves, bark)		
<i>Fraxinus ornus</i> L.	Manna ash						yes (Manna ash)	
<i>Fritillaria verticillata</i> Willdenow var <i>thunbergii</i> Baker	Amigasayuri						yes (Amigasayuri)	
<i>Fucus vesiculosus</i> L.	Bladder wrack	COE206			N330 (algues absolute)			
<i>Fumaria officinalis</i> L.	Fumitory	COE207					yes (Fumitory)	
<i>Galeopsis ochroleuca</i> Lam.	Hollow tooth herb	COE208						
<i>Galipea officinalis</i> J. Hancock	Angostura	COE165	2092	CFR.21 §182.10; CFR.21 §182.20	N356 (extract)	<i>Galipea officinalis</i> Hancock (Bark)	yes (angostura)	10 (angostura, cusParia bark) 84 (cusParia bark)
<i>Gallus gallus domesticus</i> Brisson	Black-Bone Silky Fowl						yes (meat)	
<i>Gallus gallus</i> var. <i>domesticus</i>	Egg	COEIII (egg)					yes (egg)	
<i>Garcinia gummi-gutta</i> (L.) Roxb.	Malabar-tamarind					<i>Garcinia gummi-gutta</i> (Fruits)		
<i>Garcinia mangostana</i> L.	Mangosteen tree	COE209	4757				yes (mangosteen)	
<i>Gardenia gummifera</i> L.f.	Gardenia gummifera		4265			<i>Gardenia gummifera</i> L. (Flowers and fruits)		

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Gardenia jasminoides J.Ellis	Gardenia	COE210			N091 (gardenia flower concrete);	Gardenia augusta Merr. (Flowers and fruits)	yes (gardenia)	
Gastrodia elata Blume	Tenma						yes (Tenma)	
Gaultheria procumbens L.	Wintergreen	COE211	3112; 3113		N028 (wintergreen oil);	Gaultheria procumbens L. (All parts)	yes (wintergreen)	
Gelidium amansii (J.V.Lamouroux) J.V.Lamouroux	Umutgasari						yes (Seaweed)	
Gelidium ssp Euchama Euchama J.A.G.	Agar-agar		2012	CFR.21 §184.1115 (in certain foods with limits)				
Gentiana acaulis L.	Dwarf gentian	COE213		CFR.21 §172.510 (in alcoholic beverages only)		Gentiana acaulis L. (Without stem)	yes (Gentian)	110 (gentian, stemless)
Gentiana lutea L.	Gentian	COE214	2506	CFR.21 §172.510	N212 (root extract);	Gentiana lutea L. (Roots)	yes (gentian)	111 (gentian, rhizome and roots)
Geranium macrorrhizum Linne	Zdravetz						yes (Zdravetz)	
Geranium thunbergii Siebold ex Lindl. & Paxton	Gennoshoko						yes (Gennoshoko)	
Geum rivale L.	Water avens						yes (Avens, Herb bennet)	
Geum urbanum L.	Wood avens						yes (Avens, Herb bennet)	
Ginkgo biloba L.	Ginkgo					Ginkgo biloba (Leaves)	yes (ginkgo)	
Glebionis coronaria (L.) Cass. ex Spach	Garland chrysanthemum						yes (Leaf vegetables)	
Glechoma hederacea L.	Ground ivy	COE216					yes (ground ivy)	
Glehnia littoralis F.Schmidt	Hamabofu					Glehnia littoralis (Herbs, leaves)	yes (Hamabofu)	
Gloeophyllum saepiarium (Fr.) Karsten	Kikaigaratake						yes (Kikaigaratake)	
Glycine max (L.) Merr.	Soybean; Soya bean; Soya	COE217	4919		N045 (fermented tincture); N381 (Toushi/Douchi oleoresin)	Glycine max (L) Merr. (Seeds)	yes (natto; soy sauce; soybeans; miso; soybean paste; koji)	
Glycyrrhiza glabra L.	Licorice	COE218	2528; 2628; 2629; 2630	CFR.21 §184.1408	N026 (licorice tincture); N027 (licorice extract); N332 (Glycyrrhizin, ammoniated); N350 (extract Powder)	Glycyrrhiza glabra L. (Roots)	yes (licorice)	
Gnaphallium dioicum L.	Cat's foot	COE219						
Grifola frondosa (Dicks.) Gray	Maitake						yes (Maitake)	
Guaiacum officinale L.	Guaiac wood	COE 97	2531; 2533; 2534; 4942	CFR.21 §172.510		Guaiacum officinale L. (All parts)	yes (Guaiacum)	119 (guaiac)
Guaiacum sanctum L.	Hollywood Lignum Vitae	COE 220	2531; 2533; 2534; 4942	CFR.21 §172.510			yes (Guaiacum)	119 (guaiac)
Gymnema sylvestre (Retz.) R.Br. ex Schult.	Gymnema sylvestre						yes (Gymnema sylvestre)	
Gynostemma pentaphyllum (Thunb.) Makino	Amachazuru					Gynostemma pentaphyllum (All parts)	yes (Amachazuru)	
Haematoxylon campechianum L.	Peach wood	COE221						
Halocynthia roretzi Drasche	Sea squirt						yes (Sea squirt)	
Hamamelis virginiana L.	Winter bloom	COE222					yes (winter bloom)	
Hedeoma pulegioides (L.) Pers.	Pennyroyal	COE223	2839	CFR.21 §172.510		Hedeoma pulegioides L. Pers. (All parts)	yes (pennyroyal)	189 (Pennyroyal, American)
Hedera helix L.	Ivy						yes (ivy)	
Hedychium flavum Roxb.	Longose	COE224					yes (longose)	
Hedysarum vicioides Turczaninow	Iwaohgi						yes (Iwaohgi)	
Helianthus annuus L.	Sunflower	COE2063					yes (himawari)	
Helianthus tuberosus L.	Jerusalem artichoke						yes (Root and tuber vegetables)	
Helichrysum angustifolium DC.	Immortelle		2592	CFR.21 §182.20	N218 (extract); N275 (absolute);	Helichrysum angustifolium DC. (All parts)	yes (immortelle, everlasting flower)	131 (immortelle)
Helichrysum arenarium Moench.	Everlasting flower	COE225				Helichrysum arenarium Moench. (Herbs, flowers)	yes (immortelle, everlasting flower)	
Heliopsis longipes S.F. Blake	Chilcaun; Gold root		4220			Heliopsis longipes S.F. Blake (Herbs, flowers)		
Hericium erinaceum (FR) Persoon	Yamabushi take						yes (Yamabushi take)	

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<i>Herniaria glabra</i> L.	Rupturewort	COE227						
<i>Hibiscus esculentus</i> L.	Ladies' Fingers plant	COE228						
<i>Hibiscus sabdariffa</i> L.	Roselle	COE229	4912	CFR.21 §172.510 (in alcoholic beverages only)		<i>Hibiscus sabdariffa</i> L. (All parts)	yes (hibiscus; roselle)	
<i>Hierochloe odorata</i> (L.) Beauv.	Holy grass	COE230					yes (Hay)	
<i>Hippophae rhamnoides</i> L.	Sea buckthorn	COE231					yes (sea buckthorn)	
<i>Hordeum vulgare</i> L.	Barley	COE232				<i>Hordeum vulgare</i> L. (All parts)	yes (roasted barley, malt; cereals; koji)	
<i>Hosta sieboldiana</i> (Hook.) Engl.	Giboshi						yes (Giboshi)	
<i>Houttuynia cordata</i> Thunb.	Dokudami					<i>Houttuynia cordata</i> (Roots, leaves and stem)	yes (dokudami)	
<i>Hovenia dulcis</i> Thunb.	Japanese raisin tree						yes (Kenponashi; Japanese raisin tree)	
<i>Humulus lupulus</i> L.	Hops	COE233	2578; 2579; 2580	CFR.21 §182.20	N112 (tincture, extract); N113 (solid extract); N338 (oil)	<i>Humulus lupulus</i> L. (All parts)	yes (hop)	126 (hoPs) 151 (luPulin) (<i>Humulus lupulus</i> L.)
<i>Hyacinthus orientalis</i> L.	Hyacinth flowers			CFR.21 §172.510		<i>Hyacinthus orientalis</i> L. (Flowers)	yes (hyacinth)	128 (Hyacinth flowers)
<i>Hydrangea macrophylla</i> (Thunb.) Ser.	Amacha		4737			<i>Hydrangea macrophylla</i> (Leaves)	yes (Amacha)	
<i>Hypericum perforatum</i> L.	St. John's wort	COE234		CFR.21 §172.510 (Hypericin-free alcohol distillate form only; In alcoholic beverages only)			yes (St. John's wort)	229 (St. Johnswort leaves, flowers, caulis)
<i>Hypsizygus ulmarius</i> (Bull.) Redhead	Elm-mushroom						yes (elm-mushroom)	
<i>Hyssopus officinalis</i> L.	Hyssop	COE235	2589; 2590; 2591	CFR.21 §182.10; CFR.21 §182.20	N204 (oil); N355 (extract)	<i>Hyssopus officinalis</i> L. (All parts)	yes (Hyssop)	129 (hyssop)
<i>Ilex kudingcha</i> C.J.Tseng						<i>Ilex kudingcha</i> (Leaves and twigs)		
<i>Ilex paraguariensis</i> A.St.-Hil.	Mate	COE237	4969	CFR.21 §182.20	N231 (mate absolute, extract);	<i>Ilex paraguariensis</i> St. Hil. (All parts)	yes (mate tea)	157 (mate)
<i>Illicium verum</i> Hook.f.	Star anise	COE238	2095; 2096	CFR.21 §182.10	N005 (oil);	<i>Illicium verum</i> Hook. f. (All parts)	yes (star anise)	
<i>Imperata cylindrica</i> var. <i>koenigii</i> (Retz.) Perkins	Chigaya						yes (chigaya)	
<i>Indigofera tinctoria</i> L.	True indigo	COE532; COE2064;						
<i>Inula dysenterica</i>	Common fleabane	COE239						
<i>Inula helenium</i> L.	Elecampane	COE240		CFR.21 §172.510 (in alcoholic beverages only)		<i>Inula helenium</i> L. (Rizoma and roots)	yes (elecampane)	96 (Elecampane, rhizome and roots)
<i>Ipomoea batatas</i> (L.) Lam.	Sweet potato						yes (Root and tuber vegetables)	
<i>Iris florentina</i> L.	Orris	COE241	2829; 2830	CFR.21 §172.510	N057 (root concrete); N058 (root extract);	<i>Iris florentina</i> L. (Roots)	yes (orris)	180 (orris root)
<i>Iris foetidissima</i> L.	Stinking irris gladdon	COE242					yes (Orris)	
<i>Iris germanica</i> L.	German flag	COE243	2829; 2830	CFR.21 §172.510	N316 (orris resinoid);	<i>Iris germanica</i> L. (All parts)	yes (Orris)	180 (orris root)
<i>Iris pallida</i> Lam.	Pale flag	COE244	2829; 2830	CFR.21 §172.510		<i>Iris pallida</i> Lam. (All parts)	yes (Orris)	180 (orris root)
<i>Isodon japonicus</i> (Burm.f.) H.Hara	Hikiokoshi						yes (Hikiokoshi)	
<i>Jasminum grandiflorum</i> L.	Jasmine	COE245	2598; 2599; 2600; 2601	CFR.21 §182.20	N068 (jasminum grandiflorum absolute); N069 (jasminum grandiflorum concrete);	<i>Jasminum</i> spp. (All parts)	yes (Jasmin)	
<i>Jasminum officinale</i> L.	White jasmin	COE246		CFR.21 §182.20	N124 (common white jasmine flower absolute);	<i>Jasminum</i> spp. (All parts)	yes (white jasmin)	133 (jasmine)
<i>Jasminum sambac</i> (L.) Aiton	Arabian jasmine				N070 (absolute); N071 (concrete);	<i>Jasminum</i> spp. (All parts)	yes (Jasmin)	
<i>Jateorhiza palmata</i> (Lam.) Miers	Colombo	COE247		CFR.21 §172.510 (In alcoholic beverages only)		<i>Jateorhiza palmata</i> (Lam.) Miers (Roots)	yes (colombo)	
<i>Juglans nigra</i> L.	American walnut	COE507; COE2065	3111	CFR.21 §172.510	N123 (hull extract)	<i>Juglans nigra</i> L. or <i>J. regia</i> L. (Bark, leaves, nuts)	yes (walnut)	265 (walnut husks, hulls, leaves, and green nuts)
<i>Juglans regia</i> L.	Carpathian walnut	COE248	3111	CFR.21 §172.510	N123 (hull extract)	<i>Juglans nigra</i> L. or <i>J. regia</i> L. (Bark, leaves, nuts)	yes (walnut)	265 (walnut husks, hulls, leaves, and green nuts)

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<i>Juncus effusus</i> Linne var. <i>decipiens</i> Bucheneau	Rush						yes (Rush)	
<i>Juniperus communis</i> L.	Juniper	COE249	2602; 2603; 2604;	CFR.21 §182.20	N046 (berry oil); N349 (extract)	<i>Juniperus communis</i> L. (Fruits)	yes (juniper berry)	134 (juniPer berries)
<i>Juniperus mexicana</i> Spreng	Texas cedarwood	COE2066				<i>Juniperus mexicana</i> Spreng (Fruits)		
<i>Juniperus oxycedrus</i> L.	Cade	COE250					yes (cade)	
<i>Juniperus procera</i> Hochst. ex Endl.	Cedarwood east african	COE251				<i>Juniperus procera</i> (Wood)	yes (Cedar)	
<i>Juniperus sabina</i> L.	Savin	COE2067						
<i>Juniperus virginiana</i> L.	Red cedar	COE252				<i>Juniperus virginiana</i> (Wood)	yes (Cedar)	
<i>Kaempferia galanga</i> Linne	Kencur						yes (Kencur)	
<i>Katsuwonus pelamis</i> L.	Katsuobushi				N379 (Katsuobushi CO2 extract)		yes (dried bonito)	
<i>Krameria argentea</i> Mart. ex Spreng.	Brown rhatany		2979	CFR.21 §172.510		<i>Krameria triandra</i> Ruiz et Pav. or <i>K. argentea</i> Mart (Roots)	yes (Rhatany)	213 (rhatany root)
<i>Krameria triandra</i> Ruiz. & Pav.	Rhatany	COE253	2979	CFR.21 §172.510		<i>Krameria triandra</i> Ruiz et Pav. or <i>K. argentea</i> Mart (Roots)	yes (Rhatany)	213 (rhatany root)
<i>Lactarius hatsudake</i> Nobuj.Tanaka	Hatsutake						yes (Hatsutake)	
<i>Lactarius volemus</i> (Fr.) Fr.	Chichitake						yes (chichitake)	
<i>Laminaria</i> and <i>Nereocystis</i> spp.	Sea tangle	COE533; COE2068 (<i>Laminaria digitata</i>);	2014; 2606;	CFR.21 §184.1120	N203 (kelp); N396 (algin)	<i>Laminaria</i> and <i>Mereocystis</i> spp. (All parts)		
<i>Laminaria japonica</i> Areschoug	Kombu kelp					<i>Laminaria</i> and <i>Mereocystis</i> spp. (All parts)	yes (Kombu kelp)	
<i>Laminaria saccharina</i>	sweet tangle					<i>Laminaria</i> and <i>Mereocystis</i> spp. (All parts)		
<i>Languas oxyphylla</i> Merril	Yakuchi						yes (Yakuchi)	
<i>Larix decidua</i> Mill.	Common larch	COE534; COE2070;						
<i>Larrea tridentata</i> (Sessé & Moc. ex DC.) Coville	Creosote bush	COE254						
<i>Laurus nobilis</i> L.	Bay laurel	COE255	2124; 2125; 2612; 2613	CFR.21 §182.10; CFR.21 §182.20	N020 (sweet bay oil); N161 (leaves extract/ oleoresin);	<i>Laurus nobilis</i> L. and <i>Laurus</i> spp. (Fruits and leaves (<i>L. nobilis</i>); leaves (<i>L. spp</i>))	yes (laurel)	20 (bay leaves); 136 (laurel berries); 137 (laurel leaves) (<i>laurus</i> spp.)
<i>Lavandula angustifolia</i> Mill. and <i>Lavandula latifolia</i> Medik.	Lavandin	COE2071	2618	CFR.21 §182.20	N170 (oil);	Hybrids between <i>Lavandula officinalis</i> Chaix and <i>Lavandula latifolia</i> Vill. (All parts)		140 (lavandin)
<i>Lavandula latifolia</i> Medik.	Spike lavender	COE256	3033	CFR.21 §182.20	N223 (spike lavender oil);	<i>Lavandula latifolia</i> Vill	yes (Lavender)	139 (lavender, spike) 242 (spike lavender)
<i>Lavandula officinalis</i> Chaix	Lavender	COE257	2619; 2620; 2621; 2622	CFR.21 §182.10; CFR.21 §182.20	N153 (lavender oil); N340 (absolute)	<i>Lavandula officinalis</i> Craix. (All parts)	yes (lavender)	138 (lavender)
<i>Lavandula stoechas</i> L.	Roman Lavender	COE258		CFR.21 §182.10		<i>Lavandula stoechas</i> (All parts)	yes (Lavender)	
<i>Lawsonia alba</i> Lam.	Henna	COE259					yes (Henna)	
<i>Ledebourielia seseloides</i> Wolff	Saposhnikovia root						yes (Saposhnikovia root)	
<i>Lentinus edodes</i> (Berk.) Singer	Shiitake						yes (Shiitake)	
<i>Lentinus lepideus</i> (Fr.) Fr.	Matsuoji						yes (Matsuoji)	
<i>Leonurus sibiricus</i> L.	Mehajiki						yes (Mehajiki)	
<i>Lepidium meyenii</i> Walp.	Maca		4962			<i>Lepidium meyenii</i> (Bulbs)		
<i>Leptospermum citratum</i> Forst	Tea-tree	COE260				<i>Leptospermum citratum</i> Forst (Twigs, leaves)		
<i>Levisticum officinale</i> Koch.	Lovage	COE261	2649; 2650; 2651	CFR.21 §172.510	N200 (oil); N250 (extract);	<i>Levisticum officinale</i> Koch. (All parts)	yes (lovage)	149 (lovage)
<i>Liatris odoratissima</i> Willd.	Deertongue	COE262					yes (deertongue)	
<i>Ligusticum mutellina</i> (L.) Crantz	Mountain lovage	COE2074C						
<i>Ligustrum japonicum</i> Thunb.	Nezumimochi					<i>Ligustrum japonicum</i> (Aerial part (leaves, seeds, fruits, flowers))	yes (Nezumimochi)	
<i>Lilium brownii</i> F.E. Brown	Lily						yes (Lily)	
<i>Lindera strychnifolia</i> (Siebold et Zuccarini) Fernandez-Villar	Lindera root						yes (Lindera root)	

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<i>Lindera umbellata</i> Thunberg	Kuromoji						yes (Kuromoji)	
<i>Linum usitatissimum</i> L.	Linseed	COE263				<i>Linum usitatissimum</i> L. (Flax)	yes (Flax)	
<i>Liquidambar styraciflua</i> L.	Storax	COE265	3036; 3037	CFR.21 §172.510	N172 (styrax oil); N173 (styrax extract); N334 (styrax)	<i>Liquidambar orientalis</i> Mill. or <i>L. styraciflua</i> L (All parts)	yes (Styrax)	244 (storax, styrax)
<i>Litchi chinensis</i> Sonn.	Litchi	COE304					yes (litchi)	
<i>Lithospermum officinale</i> Linne	Murasaki						yes (Murasaki, Gromwell)	
<i>Litsea cubeba</i> (Lour.) Pers.	<i>Litsea cubeba</i>	COE491	3846		N013 (berry oil);	<i>Litsea cubeba</i> Pers. (All parts)	yes (litsea)	
<i>Lobaria pulmonaria</i> (L.) Hoffm.	Lungwort lichen	COE438		CFR.21 §172.510			yes (lungmoss)	150 (lungmoss, lungwort)
<i>Lonicera caerulea</i> Linne var. <i>emphylocalyx</i> Nakai	Hasukappu						yes (Hasukappu)	
<i>Lonicera caprifolium</i> L.	Honeysuckle	COE266					yes (Honeysuckle)	
<i>Lonicera japonica</i> Thunb.	Honeysuckle		4690			<i>Lonicera japonica</i> (Leaves and flowers)	yes (Honeysuckle)	
<i>Lophatherum gracile</i> Brongniart	Sasakusa						yes (Sasakusa)	
<i>Lycium chinense</i> Mill.	Kuko					<i>Lycium chinense</i> (Leaves and fruits)	yes (Kuko)	
<i>Lycopersicon esculentum</i> Mill.	Tomato	COE267					yes (tomato)	
<i>Lyophyllum aggregatum</i> (Schaeff.) Kühner	Shimeji						yes (Shimeji)	
<i>Macademia ternifolia</i> F. Mueller	Nut						yes (Nut)	
<i>Macrocystis pyrifera</i> (Linnaeus) C.Agardh	Giant kelp	COE2072	2606			<i>Macrocystis pyrifera</i> (All parts)	yes (Seaweed)	
<i>Magnolia kobus</i> DC.	Kobushi						yes (Kobushi)	
<i>Magnolia obovata</i> Thunb.	Honoki						yes (honoki)	
<i>Mallotus philipensis</i> (Lam.) Muell. Arg.	Kamala tree	COE535; COE2073;					yes (kamala)	
<i>Malpighia emarginata</i> DC.	Barbados cherry					<i>Malpighia emarginata</i> (Fruits)		
<i>Malpighia glabra</i> L.	Acerola						yes (acerola)	
<i>Malus domestica</i> (Suckow) Borkh.	Apple tree	COE386			N394 (folded apple essence)	<i>Malus sylvestris</i> (Fruits)	yes (apple)	
<i>Malva silvestris</i> L.	Mallow	COE268				<i>Malva silvestris</i> L. (Leaves and flowers)	yes (mallow)	
<i>Mammea americana</i> L.	Mammee tree	COE269				<i>Mammea americana</i> L. (Fruits)		
<i>Mangifera indica</i> L.	Mango tree	COE270					yes (mango)	
<i>Manilkara zapota</i> (L.) Royen	Sapodilla plum	COE423				<i>Manilkara zapota</i> (L.) Royen (Fruits)	yes (sapodilla)	
<i>Maranta arundinacea</i> L.	Arrow root						yes (arrow root)	
<i>Marrubium vulgare</i> L.	White hoarhound	COE271	2581	CFR.21 §182.10; CFR.21 §182.20	N201 (extract);	<i>Marrubium vulgare</i> L. (All parts)	yes (hoarhound)	125 (hoarhound, hoarhound)
<i>Marsdenia condurango</i> Rehb.	Kondurango	COE272					yes (kondurango)	
<i>Matricaria chamomilla</i> L.	Camomile; Chamomile	COE273	2273	CFR.21 §182.10; CFR.21 §182.20	N287 (hungarian chamomile flower oil); N309 (hungarian chamomile flower absolute); N357 (german chamomile extract)	<i>Matricaria chamomilla</i> L. (Flowers)	yes (Camomile)	33 (Camomille, chamomille flowers, Hungarian)
<i>Medicago sativa</i> L.	Alfalfa	COE274	2013	CFR.21 §182.10; CFR.21 §182.20	N279 (alfalfa);	<i>Medicago sativa</i> L. (All parts)	yes (alfalfa)	1 (alfalfa)
<i>Melaleuca alternifolia</i> Cheel.	Tea tree	COE275	3902		N261 (oil);	<i>Melaleuca</i> spp. (Leaves, bark and flowers)	yes (Ti-tree)	
<i>Melaleuca leucadendra</i> (L.) L.	Cajuput	COE276	2225	CFR.21 §172.510	N384 (oil)	<i>Melaleuca</i> spp. (Leaves, bark and flowers)	yes (cajuput, cajuput)	32 (cajePut)
<i>Melaleuca linariifolia</i> Smith	Tea-tree	COE277				<i>Melaleuca</i> spp. (Leaves, bark and flowers)	yes (ti-tree)	
<i>Melia azedarach</i> L.	Sendan						yes (Sendan)	
<i>Melilotus coerulea</i> (L.) Desr.	Sweet trefoil	COE278				<i>Melilotus coerulea</i> Des (All parts)	yes (Melilot)	
<i>Melilotus officinalis</i> (L.) Lam.	Melilot	COE279	4727			<i>Melilotus officinalis</i> (L.) Lam. (All parts)	yes (melilot)	

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<i>Melissa officinalis</i> L.	Melissa balm	COE280	2111; 2112; 2113	CFR.21 §182.10; CFR.21 §182.20	N219 (balm oil); N383 (balm)	<i>Melissa officinalis</i> L. (All parts)	yes (melissa, balm)	17 (balm, lemon balm, melissa)
<i>Melittis melissophyllum</i> L.	Bastard balm	COE281				<i>Melittis melissophyllum</i> L (All parts)		
<i>Mentha aquatica</i> L.	Watermint		4873			<i>Mentha</i> spp. (All parts)	yes (Bergamot mint)	
<i>Mentha arvensis</i> L.	Cornmint	COE492; COE508; COE2074;	4219		N150 (oil); N151 (oil, Partially dementholized)	<i>Mentha</i> spp. (All parts)	yes (corn-mint, japanese mint)	158 (menthol) (<i>Mentha</i> spp.); 159 (menthyl acetate) (<i>Mentha</i> spp.)
<i>Mentha cardiaca</i> J. Gerard ex Baker	Scotch spearmint	COE285b	4221; 4811		N354 (Scotch spearmint oil)	<i>Mentha</i> spp. (All parts)	yes (spearmint)	158 (menthol) (<i>Mentha</i> spp.); 159 (menthyl acetate) (<i>Mentha</i> spp.)
<i>Mentha crispa</i> L.	Curly leafed mint					<i>Mentha</i> spp. (All parts)		158 (menthol) (<i>Mentha</i> spp.); 159 (menthyl acetate) (<i>Mentha</i> spp.)
<i>Mentha piperita</i> L.	Peppermint	COE282; COE509; COE2074a	2847; 2848; 4924	CFR.21 §182.10; CFR.21 §182.20	N137 (oil)	<i>Mentha</i> spp. (All parts)	yes (peppermint)	158 (menthol) (<i>Mentha</i> spp.); ; 159 (menthyl acetate) (<i>Mentha</i> spp.); 193 (peppermint)
<i>Mentha pulegium</i> L.	Pennyroyal	COE283	2839	CFR.21 §172.510	N199 (Pennyroyal oil);	<i>Mentha</i> spp. (All parts)	yes (Pennyroyal)	158 (menthol) (<i>Mentha</i> spp.); 159 (menthyl acetate) (<i>Mentha</i> spp.); 190 (Pennyroyal, European)
<i>Mentha rotundifolia</i> (L.) Huds.	Apple mint					<i>Mentha</i> spp. (All parts)	yes (Apple mint)	158 (menthol) (<i>Mentha</i> spp.); 159 (menthyl acetate) (<i>Mentha</i> spp.)
<i>Mentha sativa</i> L.	Mint					<i>Mentha</i> spp. (All parts)		158 (menthol) (<i>Mentha</i> spp.); 159 (menthyl acetate) (<i>Mentha</i> spp.)
<i>Mentha silvestris</i> L.	Horsemint	COE284; COE284b; COE284a	4756			<i>Mentha</i> spp. (All parts)	yes (horsemint)	158 (menthol) (<i>Mentha</i> spp.); 159 (menthyl acetate) (<i>Mentha</i> spp.)
<i>Mentha spicata</i> L.	Spearmint	COE285; COE286	3030; 3031; 3032 ; 4777; 4925	CFR.21 §182.10; CFR.21 §182.20	N122 (spearmint oil); N401 (spearmint extract)	<i>Mentha</i> spp. (All parts)	yes (spearmint)	158 (menthol) (<i>Mentha</i> spp.); 159 (menthyl acetate) (<i>Mentha</i> spp.); 241 (spearmint)
<i>Mentha spicata</i> var. <i>crispa</i> Ridd.	Curly mint		4778			<i>Mentha</i> spp. (All parts)		
<i>Menyanthes trifoliata</i> L.	Buckbean	COE287		CFR.21 §172.510 (In alcoholic beverages only)		<i>Menyanthes trifoliata</i> L. (Leaves)	yes (buckbeans)	30 (buckbean leaves)
<i>Meretrix lusoria</i> Röding	Japanese hard clam						yes (Shellfish)	
<i>Mesona chinensis</i> Bentham	Ryofunso						yes (Ryofunso)	
<i>Mespilus germanica</i> L.	Medlar tree	COE288						
<i>Metapenaeus joyneri</i> Miers	Shiba shrimp						yes (Lobster, prawn, Shrimp)	
<i>Meum athamanticum</i> Jacq.	Bladmoney	COE510; COE2075					yes (Spiguel)	
<i>Michelia alba</i> DC.	White champaca		3950		N029 (flower oil); N030 (leaf oil); N031 (flower absolute); N032 (flower concrete);		yes (Champac)	
<i>Michelia champaca</i> L.	Champac	COE289				<i>Michelia champaca</i> (Flowers)	yes (Champac)	
<i>Minthostachys mollis</i> (Kunth) Griseb.	Peperina					<i>Minthostachys mollis</i> (Leaves and flowers)		
<i>Momordica charantia</i> L.	Bitter melon						yes (Fruit vegetable)	
<i>Monarda punctata</i> L.	American horsemint	COE290	2582	CFR.21 §182.20		<i>Monarda punctata</i> L. (All parts)	yes (Horsemint)	127 (horsemint)
<i>Monarda</i> spp.	Horsemint		2582					
<i>Monilia</i> spp.	Cultured Moniliaceae solution						yes (Cultured Moniliaceae solution)	
<i>Monodora myristica</i> Dun.	Jamaica nutmeg	COE291					yes (Calabash nutmeg)	

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Morus alba L.	Mulberry tree, white and black	COE292; COE292a				Morus alba L. (Leaves and fruits)	yes (mulberry)	
Morus indica L.	Eastern mulberry	COE293				Morus indica L. (Leaves and fruits)	yes (Mulberry)	
Moschus moschiferus L.	Musk		2759	CFR.21 §182.50		Moschus moschiferus L. (All parts)	yes (musk)	163 (musk, tonquin musk)
Murraya koenigii (L.) Spreng.	Indian curry leaf tree	COE520; COE2076				Murraya koenigii (L.) Spreng. (Leaves)	yes (curry leaf)	
Murraya paniculate	Common Jasmin orange				N006			
Musa paradisiaca L.	Banana	COE294					yes (banana)	
Myosotis palustris Lam.	Forget-me-not	COE295					yes (Forget me not, Mouse ears)	
Myrica gale L.	sweet gale	COE549; COE2077;						
Myrica pensylvanica Loisel.	Bayberry	COE2078						
Myrica rubra (Lour.) Siebold & Zucc.	Chinese bayberry					Myrica rubra (Fruits and seeds)	yes (chinese bayberry)	
Myristica fragrans Houtt.	Mace; Nutmeg	COE296	2652; 2653; 2654; 2792; 2793; 5028	CFR.21 §182.10; CFR.21 §182.20	N037 (nutmeg oil); N038 (nutmeg tincture); N166 (mace oil); N245 (mace oleoresin); N322 (nutmeg oleoresin);	Myristica fragrans Houtt. (All parts)	yes (nutmeg, mace)	152 (mace) 169 (nutmeg)
Myrocarpus frondosus Allemao	Cabreuva					Myrocarpus frondosus (Wood)	yes (cabreuva)	
Myroxylon balsamum (L.) Harms	Tolu balsam	COE297	3069; 3070	CFR.21 §172.510	N043 (tolu balsam tincture); N044 (tolu balsam gum);	Myroxylon balsamum (L.) Harms (All parts)	yes (tolu balsam)	254 (tolu)
Myroxylon balsamum var. pereirae (Royle) Harms	Peru balsam	COE298	2116; 2117	CFR.21 §182.20	N206 (Peru balsam); N283 (Peru balsam oil)	Myroxylon pereirae Klotzsch. (All parts)	yes (peru balsam)	18 (balsam of Peru) 194 (Peruvian balsam)
Myrrhis odorata (L.) Scop.	Sweet chervil	COE299					yes (Chervil)	
Myrtus communis L.	Myrtle	COE300		CFR.21 §172.510 (in alcoholic beverages only)		Myrtus communis L. (Leaves)	yes (myrtle)	166 (Myrtle leaves)
Naja atra Cantor	Chinese Cobra						yes (Snake)	
Nandina domestica Thunberg	Nanten						yes (Nanten)	
Narcissus jonquilla L.	Daffodil	COE2079					yes (narcissus)	
Narcissus poeticus L.	Narcissus	COE2080					yes (narcissus)	
Narcissus tazetta L.	Cream narcissus	COE2081					yes (narcissus)	
Nardostachys jatamansi (D. Don) DC	Spikenard	COE2082			N025 (Chinese Nardostachys oil, Spikenard)		yes (spikenard)	
Nasturtium officinale L.	Watercress	COE301					yes (water cress)	
Nelumbo nucifera Gaertn.	Lotus						yes (Lotus)	
Nepeta cataria L.	Catmint	COE302					yes (catnip)	
Nepeta japonica Maxim.	Aritaso						yes (Aritaso)	
Nephelium lappaceum L.	Ramboutan	COE303				Nephelium lappaceum L. (Fruits and seeds)	yes (ramboutan)	
Nephelium longanum Cambess	Longane	COE305			N121 (tincture);		yes (longan)	
Nicotiana tabacum L.	Common tobacco	COE512; COE2083;						
Nigella damascena L.	Love-in-a-mist	COE306					yes (Black caraway, Nigella)	
Nigella sativa L.	Black caraway	COE307	2237; 2342;	CFR.21 §182.10		Nigella sativa L. (All parts)	yes (black caraway, nigella)	
Nuphar japonica DC.	Kohone						yes (Kohone)	
Ocetea pretiosa (Nees.) Mez.	Brasilian sassafras	COE2084						
Ocimum basilicum L.	Basil	COE308	2118; 2119; 2120	CFR.21 §182.10; CFR.21 §182.20	N004 (oil); N284 (extract);	Ocimum basilicum L. (All parts)	yes (basil)	19 (basil)
Ocimum minimum L.	Greek basil					Ocimum minimum L. (All parts)	yes (basil)	
Octopus vulgaris Cuvier, 1797	Octopus						yes (Octopus)	
Oenanthe javanica (Blume) DC.	Water dropwort						yes (Leaf vegetables)	
Olea europaea L.	Olive tree	COE309	4801				yes (olive)	
Oleanthus gamwelliae	Nindi	COE310						
Ononis arvensis L.	Common restharrow	COE311						

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Ophiopogon japonicus (Thunb.) Ker Gawl.	Janohige						yes (Janohige)	
Opopanax chironium Koch.	Opopanax	COE313; COE2042		CFR.21 §172.510	N311 (oPoPonax oil); N341 (oPoPonax extract resinoid)	Opopanax chironium Koch (true opopanax) of Commiphora erythraea Engl. var. ilabrescens (All parts)	yes (opopanax)	172 (oPoPonax, bisabolmyrrh)
Opuntia ficus-indica (L.) Mill.	Barbary fig					Opuntia ficus (Fruits)		
Opuntia megacantha Salm-dyck	Cactus						yes (cactus)	
Origanum creticum L.	Spanish marjoram	COE314				Origanum spp. (Flowers and leaves)		
Origanum dictamnus L.	Dittany of Crete	COE315	2399	CFR.21 §172.510	N337 (Dittany of Crete)	Origanum dictamnus L. (Herbs)	yes (dittany of crete)	91 (dittany of Crete)
Origanum majorana L.	Marjoram	COE316	2659; 2661; 2662; 2663;	CFR.21 §182.10; CFR.21 §182.20	N211 (marjoram oil, sweet); N373 (oleoresin/extract)	Majorana hortensis Moench. (All parts)	yes (marjoram)	156 (marjoram, sweet) 179 (origanum)
Origanum onites L.	Turkish oregano					Majorana onites (L.) Benth. (All parts)	yes (Origanum)	
Origanum vulgare L.	Wild marjoram	COE317	2660	CFR.21 §182.10		Origanum spp. (Flowers and leaves)	yes (Origanum)	179 (origanum)
Ormenis multicaulis	Chamomile, wild Morocco; Camomile	COE2085				Ormenis multicaulis (Flowers)	yes (Camomile)	
Oryza sativa L.	rice						yes (cereals); yes (Koji)	
Osmanthus fragrans Lour.	Osmanthus	COE513; COE521; COE2086;	3750		N118 (fragrans flower absolute); N119 (fragrance flower tincture); N120 (fragrans flower concrete);	Osmanthus fragrans Lour. (Flowers and fruits)	yes (osmanthus)	
Paeonia lactiflora Pall.	Chinese peony						yes (Shakuyaku, Chinese peony)	
Paeonia suffruticosa Haworth	Moutan bark						yes (Moutan bark)	
Panax ginseng C. A. Mey.	Ginseng					Panax ginseng C.A. Meyer (Roots)	yes (ginseng)	
Panax quinquefolius L.	American ginseng	COE2087a						
Pandanus amaryllifolius Roxb.	Pandan	COE2088	4963				yes (pandanus)	
Panulirus japonicus von Siebold	Japanese spiny lobster						yes (Lobster, prawn, Shrimp)	
Papaver rhoeas L.	Red poppy	COE319					yes (poppy)	
Papaver somniferum L.	White poppy	COE320	2919	CFR.21 §182.10			yes (poppy)	
Paralithodes camtschaticus Tilesius	Crab						yes (crab)	
Passiflora edulis Sims.	Passion flower	COE321; COE2809		CFR.21 §172.510		Passiflora incarnata L. (Fruits)	yes (passion fruit)	184 (Passion flower)
Pastinaca sativa L.	Parsnip	COE322				Pastinaca sativa L (Roots, fruits and seeds)	yes (parsnip)	
Patrinia scabiosifolia Link	Ominaeshi					Patrinia scabiosaefolia (Herbs)	yes (Ominaeshi)	
Paullinia cupana Kunth	Guarana shrub	COE323	2536	CFR.21 §172.510	N233 (seed extract);	Paullinia cupana HBK (All parts)	yes (guarana)	120 (Guarana)
Pedilanthus spp.	Candelilla	COE490	3479	CFR.21 §184.1976				
Pelargonium graveolens L'Hér.	Rose geranium	COE324	2508	CFR.21 §182.20	N097 (rose oil); N098 (terPeneless oil); N313 (extract);	Pelargonium graveolens L'Her. and Pelargonium spp. (All parts)	yes (geranium)	112 (geranium) (Pelargonium ssP.) 114 (geranium, rose) (Pelargonium graveolens) 221 (rose geranium)
Penaeus japonicus Bate	Kuruma shrimp						yes (Lobster, prawn, Shrimp)	
Perilla frutescens (L.) Britt	Perilla	COE514; COE2090	4013		N268 (Perilla leaf oil, shiso oil);	Perilla frutescens (L.) Britt (Herbs)	yes (perilla, Egoma)	
Persea americana Mill.	Avocado	COE325	4991				yes (avocado)	
Persicaria bistorta (L.) Samp.	Bistort	COE356				Polygonum bistorta L.s.l (Leaves, roots)	yes (Knotgrass)	
Persicaria odorata	Vietnamese cilantro		4736					
Petroselinum crispum (Mill.) Fuss	Parsley	COE326	2835; 2836; 2837;	CFR.21 §182.10; CFR.21 §182.20	N185 (leaf oil); N251 (oleoresin);	Petroselinum spp. (All parts)	yes (parsley)	183 (Parsley)

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Peucedanum ostruthium Koch.	Imperatoria	COE327		CFR.21 §172.510		Peucedanum ostruthium (L.) Koch (Imperatoria ostruthium L.) (All parts)	yes (imperatoria)	132 (imperatoria)
Peumus boldus Molina	Boldo tree	COE328		CFR.21 §172.510 (In alcoholic beverages only)			yes (boldo)	26 (boldus, boldo leaves)
Phallus impudicus Pers.	Suppontake						yes (Suppontake)	
Phaseolus mungo L.	Mung bean	COE537; COE2058;						
Phaseolus vulgaris L.	Common bean	COE538; COE2059;					yes (beans)	
Phellodendron amurense Rupr.	Kihada						yes (kihada)	
Phoenix dactylifera L.	Date palm	COE329					yes (date palm)	
Pholiota nameko (T.Itô) S.ito & S.Imai	Nameko						yes (Nameko)	
Phyllanthus emblica L.	Indian gooseberry		4955			Phyllanthus emblica (Fruits)		
Phyllostachys heterocycla Matsum.	Bamboo shoot						yes (Bamboo shoot)	
Physalis alkekengi L.	Strawberry tomato	COE528; COE567; COE2091; COE3290;				Physalis alkekengi L. (Fruits)		
Physalis peruviana L.	Cape gooseberry	COE330				Physalis peruviana L. (Fruits)		
Physeter macrocephalus L.	Ambergris	COE557; COE1005; COEV (ambergris)	2049	CFR.21 §182.50	N390 (Ambergris tincture)	Physeter macrocephalus L. (All parts)	yes (Ambergris)	3 (ambergris)
Picea excelsa Link.	Blue pine	COE331				Tsuga and Picea spp. (Leaves and twigs)		
Picea mariana (Mill.) Britton, Sterns & Poggenb.	Black spruce		3034	CFR.21 §172.510		Picea mariana (Needles and twigs)		
Picramnia antidesma Sw.	West Indian cascara	COE333						
Picrasma excelsa (Sw.) Planch.	Surinam quassia	COE2092	2971	CFR.21 §172.510	N253 (extract);	Picrasma excelsa (Sw.) Planch or Quassia amara L (All parts)	yes (quassia)	208 (quassia)
Pilocarpus jaborandi Holmkiold	Jaborandi						yes (Jaborandi)	
Pimenta dioica (L.) Merr.	Allspice	COE335	2017; 2018; 2019; 2901	CFR.21 §182.10; CFR.21 §182.20	N167 (Pimenta leaf oil); N241 (Pimenta oil); N281 (allspice oleoresin)	Pimenta officinalis Lindl. (All parts)	yes (allspice)	198 (Pimenta, allspice) 199 (Pimenta leaf)
Pimenta racemosa (Mill.) J.W. Moore	Bay	COE334	2121; 2122; 2123	CFR.21 §182.20	N246 (extract); N247 (oil)	Pimenta racemosa (Mill.) J.W. Moore (All parts)	yes (bay)	21 (bay, myrcia oil)
Pimpinella anisum L.	Anise	COE336	2093; 2094	CFR.21 §182.10; CFR.21 §182.20	N229 (oil);	Pimpinella anisum L. (All parts)	yes (anise)	11 (anise)
Pimpinella saxifraga L.	Burnet-saxifrage	COE337					yes (Burnet)	
Pinellia ternata (Thunb.) Makino	Dragon root						yes (Karasubishaku; Dragon root)	
Pinus laricio Poir.	Black pine	COE338				Pinus spp. (Pine, white oil)	yes (pine)	
Pinus mugo Turra	Mountain pine	COE339	2904	CFR.21 §172.510	N367 (dwarf Pine, needle oil)	Pinus mugo Turra var. pumilio (Haenke) Zenari (Pine, dwarf, needles and twigs)	yes (pine)	200 (Pinus, dwarf, needles and twigs)
Pinus palustris Mill.	Longleaf pine	COE340	2907; 3088; 3089	CFR.21 §172.510 (Rosin, Colophony: in alcoholic beverages only. No limitations for oils); CFR.21 §172.515	N298 (turpentine, steam distilled); N352 (Pine tar oil)	Pinus palustris Mill (All parts)	yes (pine)	203 (Pine, white, oil)
Pinus strobus L.	White pine	COE342		CFR.21 §172.510 (In alcoholic beverages only)		Pinus strobus L. (Pine, white, stem)	yes (pine)	202 (Pine, white, bark)
Pinus succinifera Cnev.	Baltic amber	COE343				Pinus spp. (Pine, white oil)	yes (Amber)	
Pinus sylvestris L.	Pine	COE341	2906	CFR.21 §172.510	N180 (oil)	Pinus silvestris L. (Pine, dwarf, needles and twigs)	yes (pine)	201 (Pine, scotch, needles and twigs)
Piper angustifolium Ruiz. & Pav.	Matico	COE344					yes (matico)	
Piper betle L.	Betel					Piper betle L. (Leaves)	yes (betel)	
Piper cubeba L.f.	Cubeb	COE345	2338; 2339	CFR.21 §172.510	N198 (oil); N388 (cubeb)	Piper cubeba L.f. (All parts)	yes (cubeb)	
Piper longum L.	Long peper	COE346	4266			Piper longum L. (Fruits)	yes (Pepper)	

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<i>Piper nigrum</i> L.	Black pepper	COE347	2844; 2845; 2846; 2850; 2851; 2852;	CFR.21 §182.10; CFR.21 §182.20	N215 (black pepper oil); N236 (white pepper oil); N237 (white pepper oleoresin); N270 (black pepper oleoresin);	<i>Piper nigrum</i> L. (All parts)	yes (pepper)	191 (pepper, black) 192 (pepper, white)
<i>Pistacia lentiscus</i> L.	Mastic tree	COE349				<i>Pistacia lentiscus</i> (All parts)	yes (mastic)	272 (Mastic)
<i>Pistacia terebinthus</i> L.	Turpentine	COE350				<i>Pistacia terebinthus</i> L. (Fruits, seeds and bark)		
<i>Pistacia vera</i> L.	Pistachio	COE351				<i>Pistacia vera</i> L. (Seeds)	yes (pistachio)	
<i>Pisum sativum</i> L.	Garden pea						yes (Beans)	
<i>Plantago lanceolata</i> L.	Small plantain	COE352				<i>Plantago lanceolata</i> L. (All parts)	yes (plantain)	
<i>Plantago major</i> L.	Large plantain					<i>Plantago major</i> (Herbs)		
<i>Platycodon grandiflorus</i> A.DC.	Baloon flower						yes (Kikyoo; Baloon flower)	
<i>Pleuropteris multiflorus</i> (Thunb.) Turcz.	Tsurudokudami						yes (Tsurudokudami)	
<i>Pleurotus cornucopiae</i> (Paulet) Rolland	Tamogitake						yes (Tamogitake)	
<i>Pleurotus ostreatus</i> (Jacq.) P.Kumm.	Oyster Mushroom						yes (Hiratake)	
<i>Plinia cauliflora</i> (Mart.) Kausel	Brazilian grapetree					<i>Plinia cauliflora</i> (All parts)		
<i>Plumeria acuminata</i> Aiton	Frangipani						yes (Frangipani)	
<i>Podocarpus macrophyllus</i> D.Don	Long-leaved podocarp						yes (Long-leaved podocarp)	
<i>Pogostemon cablin</i> (Blanco) Benth.	Patchouly	COE353	2838	CFR.21 §172.510	N007 (oil);	<i>Pogostemon cablin</i> Benth. and <i>P. heyneanus</i> Benth (All parts)	yes (patchouli)	185 (Patchouly)
<i>Polianthes tuberosa</i> L.	Tuberose	COE354	3084	CFR.21 §182.20	N135 (concrete); N305 (absolute);	<i>Polianthes tuberosa</i> L. (All parts)	yes (tuberose)	253 (tuberose)
<i>Polygala japonica</i> Houtt.	Himehagi						yes (Himehagi)	
<i>Polygala senega</i> L.	Senega root	COE355					yes (senega)	
<i>Polygonum aviculare</i> L.	Common knotgrass	COE515; COE2093				<i>Polygonum aviculare</i> L? (Herbs)	yes (Knotgrass)	
<i>Polygonum hydropiper</i> L.	water pepper						yes (tade, water pepper)	
<i>Polyporus officinalis</i> Fries	White agaric	COE359						
<i>Populus alba</i> L.	White poplar	COE360				<i>Populus alba</i> L? (Bark)	yes (poplar)	
<i>Populus balsamifera</i> L.	Balsam Poplar						yes (poplar)	
<i>Populus nigra</i> L.	Black poplar	COE361		CFR.21 §172.510 (in alcoholic beverages only)		<i>Populus balsamifera</i> L. (<i>P. tacamahacca</i> Mill.), <i>P. candicans</i> Ait., or <i>P. nigra</i> L (Bark)	yes (poplar)	206 (PoPlar buds)
<i>Poria cocos</i> Wolf	Matsuhodo						yes (Matsuhodo)	
<i>Portulaca oleracea</i> L.	Suberihiyu						yes (Suberihiyu, pigweed)	
<i>Potentilla anserina</i> L.	silver weed						yes (Silver weed)	
<i>Potentilla erecta</i> (L.) Raeusch.	Tormentil	COE493				<i>Potentilla tormentilla</i> Stokes (Leaves, roots)	yes (Silver weed)	
<i>Prangos asperula</i> Boiss.	Hay	COE363				<i>Prangos asperula</i> Boiss (Herbs (all parts of plants above ground))	yes (hay)	
<i>Primula elatior</i> L.	Cowslip	COE364				<i>Primula elatior</i> L. (Flowers)	yes (primrose)	
<i>Primula veris</i> L.	Cowslip primrose	COE2095					yes (primrose)	
<i>Prosopis cineraria</i> (L.) Druce	Mesquite		3942			<i>Prosopis spicigera</i> (Wood)	yes (Mesquite)	
<i>Prunella vulgaris</i> L.	Self-heal	COE 365					yes (Prunella, Self-heal)	
<i>Prunus amygdalus</i> Batsch. V. dulcis	Sweet almond tree	COE367	2046			<i>Prunus amygdalus</i> Batsch (All parts)	yes (almond)	
<i>Prunus armeniaca</i> L.	Apricot	COE368	2105	CFR.21 §182.20; CFR.21 §182.40	N171 (kernel oil);	<i>Prunus armeniaca</i> L. (Kernel)	yes (apricot)	12 (aPricot kernel; Persic oil)
<i>Prunus avium</i> (L.) L.	Cherry	COE369	2278	CFR.21 §172.510 (not to exceed 25 ppm Prussic acid)		<i>Prunus avium</i> L. (All parts)	yes (cherry)	52 (cherry Pits)
<i>Prunus cerasus</i> L.	Sour cherry	COE370	2278	CFR.21 §172.510 (not to exceed 25 ppm Prussic acid)		<i>Prunus cerasus</i> L (All parts)	yes (Cherry)	
<i>Prunus divaricata</i> ledeb (Hdb)	Cherry plum					<i>Prunus divaricata</i> (Fruits)		
<i>Prunus domestica</i> L.	Plum	COE371				<i>Prunus domestica</i> (Fruits)	yes (plum)	

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<i>Prunus insititia</i> L.	Damson	COE373					yes (plum)	
<i>Prunus lannesiana</i> (Carrière) E.H.Wilson	Cherry tree						yes (Cherry tree)	
<i>Prunus laurocerasus</i> L.	Cherry laurel	COE372	2277	CFR.21 §172.510 (not to exceed 25 ppm Prussic acid)			yes (cherry laurel)	53 (cherry laurel leaves)
<i>Prunus mume</i> Siebold & Zucc.	japanese apricot				N021 (tincture);		yes (Ume ;Japanese apricot)	
<i>Prunus persica</i> (L.) Batsch	Peach	COE374		CFR.21 §172.510 (In alcoholic beverages only; not to exceed 25 ppm Prussic acid in the flavour); CFR.21 §182.20; CFR.21 §182.40 (persic oil)	N336 (Peach tree leaf absolute)	<i>Prunus persica</i> (L.) Batsch (Leaves)	yes (peach)	186 (Peach leaves) 187 (Peach kernel, Persic oil)
<i>Prunus serotina</i> Ehrh.	Wild cherry	COE375	2276	CFR.21 §182.20	N214 (bark extract);	<i>Prunus serotina</i> Ehrh. (Fruits and bark)	yes (wild cherry)	54 (cherry, wild, bark) 266 (wild cherry bark)
<i>Prunus serrulata</i> Lindl.	Japanese Cherry		5044; 5045					
<i>Prunus speciosa</i> (Koidz.) Nakai	Oshima cherry		5046					
<i>Prunus spinosa</i> L.	Sloe	COE376	3020; 3021; 3022	CFR.21 §182.20		<i>Prunus spinosa</i> L (Fruits)	yes (sloe berry)	239 (Sloe berries, blackthorn berries)
<i>Psalliota hortensis</i>	mushroom	COE2097						
<i>Psidium guajava</i> L.	Guava	COE377		CFR.21 §182.20		<i>Psidium</i> spp. (All parts)	yes (guava)	121 (guava) (<i>Psidium</i> spp.)
<i>Pteridium aquilinum</i> var. <i>latiusculum</i> (Desv.) Underw.	Eagle fern						yes (Warabi, Eagle fern)	
<i>Pterocarpus santalinus</i> L.f.	Red sandalwood tree	COE379		CFR.21 §172.510 (in alcoholic beverages only)		<i>Pterocarpus santalinus</i> L.f. (Wood)	yes (red sandalwood)	212 (red saunders, red sandalwood)
<i>Pueraria lobata</i> (Willd.) Ohwi	Thunberg kudzu vine						yes (Kuzu; Thunberg kudzu vine)	
<i>Pulmonaria officinalis</i> L.	Lungwort	COE380					yes (lungwort)	
<i>Punica granatum</i> L.	Pomegranate tree	COE381	2918	CFR.21 §182.20			yes (common pomegranate)	205 (Pomegranate)
<i>Pyrus communis</i> L.	Pear tree	COE384					yes (pear)	
<i>Quassia amara</i> L.	Quassia	COE332	2971	CFR.21 §172.510	N253 (extract);	<i>Picrasma excelsa</i> (Sw.) Planch or <i>Quassia amara</i> L (All parts)	yes (quassia)	208 (quassia)
<i>Quercus alba</i> L.	White oak	COE388	2794; 3042	CFR.21 §172.510	N163 (chiPs extract);	<i>Quercus alba</i> L. (Stem, branches, twigs)	yes (Oak)	
<i>Quercus dentata</i> Thunb.	Oak		3042			<i>Quercus</i> spp. (Young twigs)	yes (Oak)	
<i>Quercus ilex</i> L.	Holm oak	COE389	3042			<i>Quercus ilex</i> L. (Seeds, stem and bark)	yes (Oak)	
<i>Quercus robur</i> L.	Common red oak	COE390	3042	CFR.21 §172.510 (in alcoholic beverages only)		<i>Quercus robur</i> L. (Stem, branches, twigs)	yes (Oak)	
<i>Quercus suber</i> L.	Oak cork		3042	CFR.21 §172.510 (in alcoholic beverages only)		<i>Quercus suber</i> L. (Bark)	yes (Oak)	78 (cork, oak)
<i>Quillaja saponaria</i> Molina	Soap bark tree	COE391	2973	CFR.21 §172.510	N176 (quillaja);		yes (quillaja)	210 (quillaja, soaPbark)
<i>Rabdosia</i> spp.	Xiang Feng cha				N099 (oil)			
<i>Ramaria botrytis</i> (Persoon) Ricken	Houkitake						yes (Houkitake)	
<i>Raphanus sativus</i> L.	Winter radish	COE392					yes (radish)	
<i>Rehmannia glutinosa</i> Liboschitz	Akayajio					<i>Rehmannia glutinosa</i> Libosch. var. <i>purpurea</i> (All parts)	yes (Akayajio)	
<i>Reseda odorata</i> Linne	Reseda						yes (Reseda)	
<i>Reynoutria japonica</i> Houtt.	Itadori						yes (Itadori)	
<i>Rhamnus cathartica</i> L.	Buckthorn	COE393					yes (Cascara)	
<i>Rhamnus frangula</i> L.	Alder buckthorn	COE394					yes (Cascara)	
<i>Rhamnus purshiana</i> DC	Cascara sagrada	COE395	2253	CFR.21 §172.510	N197 (cascara bitterless extract);	<i>Rhamnus purshiana</i> DC (All parts)	yes (Cascara)	41 (cascara sagrada)
<i>Rheum hybridum</i> Murr.	Rhubarb			CFR.21 §172.510		<i>Rheum hybridum</i> (Roots)	yes (Rhubarb)	
<i>Rheum officinale</i> Baill.	Medicinal rhubarb	COE396A; COE569; COE2098; COE3960;		CFR.21 §172.510		<i>Rheum officinale</i> Baill. (Roots)	yes (Rhubarb)	215 (rhubarb root)

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Rheum palmatum L.	Chinese rhubarb	COE396		CFR.21 §172.510		Rheum palmatum L. (Roots)	yes (Rhubarb)	
Rheum rhaponticum L.	Garden rhubarb	COE397		CFR.21 §172.510 (in alcoholic beverages only)		Rheum rhaponticum L (Roots)	yes (Garden rhubarb, Edible rhubarb)	214 (rhubarb, garden root)
Rhizopogon rubescens	Shoro						yes (Shoro)	
Rhodymenia Greville	Red algae						yes (Seaweed)	
Rhodymenia palmata (L.) Grev.	Dulse		2405	CFR.21 §182.30			yes (Seaweed)	
Ribes nigrum L.	Blackcurrant	COE399	2346	CFR.21 §172.510	N138 (tincture); N139 (concrete);	Ribes nigrum L. (Flower buds and leaves)	yes (currant)	83 (currant, black, buds and leaves)
Ribes rubrum L.	Currant berry	COE400					yes (currant)	
Ribes uva-crispa L. var. sativum D.C.	Gooseberry	COE398					yes (gooseberry)	
Ricinus communis L.	Castor oil	COE401	2263	CFR.21 §172.510	N343 (castor oil)			
Roccella fuciformis Ach.	Angola weed			CFR.21 §172.510 (in alcoholic beverages only)		Roccella fuciformis Arch. R. Tinctoria (All parts)	yes (angola weed)	9 (angola weed)
Rosa alba L.	Rose		2988; 2990	CFR.21 §182.20	N054 (oil); N055 (absolute); N056 (concrete); N368 (rose hips extract)	Rosa spp. (Leaves)	yes (rose)	216 (rose absolute) 217 (rose, otto of roses, attar of roses) 218 (rose buds) 219 (rose flowers) 220 (rose fruits, hiPs) 222 (rose leaves, rosa spp.)
Rosa canina L.	Wild dog rose	COE403	2990	CFR.21 §182.20	N054 (oil); N055 (absolute); N056 (concrete); N368 (rose hips extract)	Rosa spp. (Leaves)	yes (rose)	222 (rose leaves, rosa spp.)
Rosa centifolia L.	Cabbage rose	COE404	2988; 2990; 2993	CFR.21 §182.20	N054 (oil); N055 (absolute); N056 (concrete); N368 (rose hips extract)	Rosa centifolia (Flowers)	yes (rose)	216 (rose absolute) 217 (rose, otto of roses, attar of roses) 218 (rose buds) 219 (rose flowers) 220 (rose fruits, hips) 222 (rose leaves, rosa spp.)
Rosa damascena Mill.	Red rose	COE405	2989; 2990	CFR.21 §182.20	N054 (oil); N055 (absolute); N056 (concrete); N368 (rose hips extract)	Rosa damascena Mill. (Flowers)	yes (rose)	216 (rose absolute) 217 (rose, otto of roses, attar of roses) 218 (rose buds) 219 (rose flowers) 220 (rose fruits, hips) 222 (rose leaves, rosa spp.)
Rosa gallica L.	Apothecary Rose	COE2099	2990	CFR.21 §182.20	N054 (oil); N055 (absolute); N056 (concrete); N368 (rose hips extract)	Rosa spp. (Leaves)	yes (rose)	216 (rose absolute) 217 (rose, otto of roses, attar of roses) 218 (rose buds) 219 (rose flowers) 220 (rose fruits, hips) 222 (rose leaves, rosa spp.)
Rosa hybrida cv. 'Crimson Glory'	'Crimson Glory' Rose				N146 (absolute); N147 (concrete)	Rosa spp. (Leaves)		
Rosa multiflora Thunb.	Wild rose		2990	CFR.21 §182.20	N128 (concrete)	Rosa spp. (Leaves)		222 (rose leaves, rosa spp.)
Rosa rugosa Thunb.	Rugosa rose		2990	CFR.21 §182.20	N054 (oil); N055 (absolute); N056 (concrete); N368 (rose hips extract)	Rosa spp. (Leaves)	yes (Hamanasu, Rugosa rose)	222 (rose leaves, rosa spp.)
Rosmarinus officinalis L.	Rosemary	COE406	2991; 2992; 4705	CFR.21 §182.10; CFR.21 §182.20	N191 (oil);		yes (rosemary)	223 (rosemary)
Rubus fruticosus L.	Blackberry	COE408	2155	CFR.21 §172.510		Rubus fruticosus L. (Bark)	yes (blackberry)	24 (blackberry bark)
Rubus idaeus L.	Raspberry	COE409					yes (raspberry)	
Rubus suavisissimus S. Lee	Sweet blackberry		4717; 4800; 4814			Rubus suavisissimus S. Lee (Leaves)	yes (Tenryocha)	
Rumex acutus L.	Sharp-pointed-dock	COE410						
Rumex aquaticus L.	Water dock	COE411						
Rumex japonicus Houtt.	Gishigishi						yes (Gishigishi; dock)	
Ruta graveolens L.	Common rue	COE412	2994; 2995	CFR.21 §184.1699; CFR.21 §184.1698	N295 (rue oil);	Ruta graveolens L. (Flowers)	yes (rue)	

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<i>Saccharomyces cerevisiae</i> (Desm.) Meyen	Beer yeast	COE 2099a					yes (Yeasts)	
<i>Saccharum officinarum</i> L.	Sugar cane	COE2100	4816	CFR.21 §182.20 (Molasses, extract)	N276 (extract)	<i>Saccharum officinarum</i> Linne (All parts)	yes (Molasses; Brown sugar)	161 (molasses, extract)
<i>Sagittaria trifolia</i> Linne	Sagiomodaka						yes (Sagiomodaka)	
<i>Salvia lavandulifolia</i> Vahl	Spanish sage	COE413	3003	CFR.21 §182.20	N168 (oil);	<i>Salvia lavandulaefolia</i> Vahl. (All parts)	yes (sage)	227 (sage, sPanish)
<i>Salvia officinalis</i> L.	Common Sage	COE414	3000; 3001; 3002;	CFR.21 §182.10; CFR.21 §182.20	N274 (oil); N296 (oleoresin);	<i>Salvia officinalis</i> L. (All parts)	yes (sage)	225 (sage)
<i>Salvia sclarea</i> L.	Clary sage	COE415	2320; 2321	CFR.21 §182.10; CFR.21 §182.20	N108 (oil);	<i>Salvia sclarea</i> L. (All parts)	yes (clary sage)	70 (clary sage)
<i>Salvia triloba</i> L.	sage, greek			CFR.21 §182.10; CFR.21 §182.20		<i>Salvia triloba</i> (All parts)	yes (sage)	226 (sage, greek)
<i>Sambucus canadensis</i> L.	Elder	COE416	2406	CFR.21 §182.10; CFR.21 §182.20	N210 (elder flower absolute); N310 (elder flowers extract);	<i>Sambucus canadensis</i> L. (All parts)	yes (elder)	
<i>Sambucus nigra</i> L.	Black elder	COE417	2406	CFR.21 §172.510 (In alcoholic beverages only; not to exceed 25 ppm Prussic acid in the flavour); CFR.21 §182.20	N210 (elder flower absolute); N310 (elder flowers extract);	<i>Sambucus nigra</i> L. (Flowers and leaves)	yes (Elder)	94 (elder tree leaves) 95 (elder flowers)
<i>Sanguinaria canadensis</i> L.	Canadian blood root	COE418						
<i>Sanguisorba minor</i> Scop.	Salad burnet	COE547; COE2101;				<i>Sanguisorba minor</i> Scop (Herbs)	yes (Waremoko)	
<i>Sanguisorba officinalis</i> L.	Waremoko					<i>Sanguisorba officinalis</i> L. (Herbs)	yes (Waremoko)	
<i>Santalum album</i> L.	Sandalwood	COE420	3005	CFR.21 §172.510	N152 (oil);	<i>Santalum album</i> L. (Wood)	yes (sandalwood)	230 (sandalwood, white, yellow and east Indian)
<i>Santalum austrocaledonicum</i>	Sandalwood austracaledonicum		4815			<i>Santalum austrocaledonicum</i> (Wood)		
<i>Santalum spicatum</i> DC.	Australian sandalwood	COE187				<i>Santalum spicatum</i> DC (Wood)	yes (Sandalwood)	
<i>Santolina chamaecyparissus</i> L.	Garden cypress	COE421						
<i>Saponaria officinalis</i> L.	Soapwort	COE422						
<i>Sarcodon aspratus</i> (Berckmans) S. Ito	Koutake						yes (Koutake)	
<i>Sardinops sagax</i> Jenyns	Japanese pilchard						yes (fish)	
<i>Sargassum fulvellum</i> (Turner) C. Agardh	Sargassum seaweed						yes (Seaweed)	
<i>Sasa veitchii</i> Rehder	Sasa						yes (Sasa, Bamboo grass)	
<i>Sassafras albidum</i> Nutt. Nees	Sassafras	COE424	3010; 3011	CFR.21 §172.510 (Safrole free); CFR.21 §172.580			yes (sassafras)	233 (sassafras leaves)
<i>Satureja hortensis</i> L.	Summer savory	COE425	3012; 3013; 3014;	CFR.21 §182.10; CFR.21 §182.20	N369 (Savory summer oil)	<i>Satureia hortensis</i> L. (All parts)	yes (savory)	234 (savory, summer)
<i>Satureja montana</i> L.	Winter savory	COE426	3015; 3016; 3017;	CFR.21 §182.10; CFR.21 §182.20	N333 (Savory winter oil)	<i>Satureia montana</i> L. (All parts)	yes (savory)	235 (savory, winter)
<i>Saussurea lappa</i> (Decne.) C.B.Clarke	Costus	COE53	2336	CFR.21 §172.510	N019 (root oil);	<i>Saussurea lappa</i> Clarke (Roots)	yes (costus)	80 (Costus root)
<i>Saxifraga stolonifera</i> Curtis	Yukinoshita						yes (Yukinoshita)	
<i>Schinopsis balansae</i> Engl.	Quebracho					<i>Schinopsis balansae</i> (Bark)		
<i>Schinus molle</i> L.	American pepper	COE427	3018	CFR.21 §182.20	N156 (oil);	<i>Schinus molle</i> L. (All parts)	yes (Schinus molle)	236 (schinus molle)
<i>Schinus terebinthifolia</i> Raddi	Brazilian pepper-tree					<i>Schinus terebinthifolia</i> (Fruits)		
<i>Schisandra chinensis</i> (Turcz.) Baill.	Chosengomishi						yes (Chosengomishi)	
<i>Schisandra repanda</i> (Siebold & Zucc.) Radlk.	Matsubusa					<i>Schisandra repanda</i> (Fruits)	yes (Matsubusa)	
<i>Schizandra chinensis</i> Baill.	Five flavour berry					<i>Schisandra chinensis</i> (Turcz.) Baill. (Fruits)		
<i>Scorzonera hispanica</i> L.	Black salsify	COE428					yes (salsify)	
<i>Scutellaria baicalensis</i> Georgi	Chinese skullcap		4975				yes (Koganebana)	
<i>Secale cereale</i> L.	Rye	COE2102					yes (cereals)	
<i>Senna italica</i> subsp. Italica		COE497; COE2023;						
<i>Sepia officinalis</i> L.	Squid						yes (squid)	

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<i>Sergia lucens</i> Hansen	Sakura shrimp						yes (Lobster, Prawn, Shrimp)	
<i>Sesamum indicum</i> L.	Sesame	COE429		CFR.21 §182.10	N377 (sesame CO2 extract); N378 (sesame dist.)		yes (sesame)	
<i>Shepherdia argentea</i> (Pursh) Nutt.	Buffaloberry					<i>Shepherdia argentea</i> (Fruits)	yes (Buffaloberry)	
<i>Shorea javanica</i> Koord. & Valetton	Damar		4820					
<i>Shorea robusta</i> Gaertn.	Sal tree					<i>Shorea robusta</i> (Seeds)		
<i>Shorea stenoptera</i> Burck	Light Red Meranti					<i>Shorea stenoptera</i> (Seeds)		
<i>Silybum marianum</i> (L.) Gaertn.	holy thistle	COE551; COE2103;					yes (mild thistle)	
<i>Simarouba amara</i> Aubl.	Simarouba			CFR.21 §172.510 (In alcoholic beverages only)		<i>Simarouba amara</i> Aublet (Wood)	yes (simarouba)	238 (simarouba bark)
<i>Simmondsia californica</i> Nutt.	Jojoba						yes (Jojoba)	
<i>Simmondsia chinensis</i> (Link) C.K. Schneid.	Goatnut					<i>Simmondsia chinensis</i> (Seeds)		
<i>Sinapis alba</i> L.	White mustard	COE431	2761	CFR.21 §182.10; CFR.21 §182.20	N265 (oleoresin)	<i>Brassica</i> spp. (All parts)	yes (mustard)	164 (mustard) (<i>Brassica</i> spp.)
<i>Sinapis arvensis</i> L.	Wild mustard	COE432				<i>Brassica</i> spp. (All parts)	yes (mustard)	164 (mustard) (<i>Brassica</i> spp.)
<i>Siraitia grosvenorii</i> (Swingle) C. Jeffrey ex A. M. Lu & Zhi Y. Zhang	Lo han kuo		4711		N065 (tincture)	<i>Siraitia grosvenorii</i> (Swingle) C. Jeffrey (Fruits)	yes (Rakanka, Lo han kuo)	
<i>Sium sisarum</i> L.	Chervi	COE433				<i>Sium sisarum</i> (All parts)	yes (Skirret)	
<i>Smilax aristolochiifolia</i> Mill	Mexican sarsaparilla	COE2104A	3009	CFR.21 §172.510	N297 (extract)	<i>Smilax</i> spp. (All parts)	yes (sarsaparilla)	232 (Sarsaparilla)
<i>Smilax febrifuga</i> Kunth	Ecuadorian sarsaparilla		3009	CFR.21 §172.510	N297 (extract)	<i>Smilax</i> spp. (All parts)	yes (sarsaparilla)	232 (Sarsaparilla)
<i>Smilax officinalis</i> Kunth	Guajaquil-sarsaparilla	COE2104	3009	CFR.21 §172.510	N297 (extract)	<i>Smilax</i> spp. (All parts)	yes (sarsaparilla)	232 (Sarsaparilla)
<i>Smilax regelii</i> Killip & C.V.Morton	Honduran sarsaparilla	COE434	3009	CFR.21 §172.510	N297 (extract)	<i>Smilax</i> spp. (All parts)	yes (sarsaparilla)	232 (Sarsaparilla)
<i>Solanum melongena</i> L.	Eggplant	COE539; COE2105;					yes (Fruit vegetable)	
<i>Solanum muricatum</i> Aiton	Pepino					<i>Solanum muricatum</i> (Fruits)	yes (pepino)	
<i>Solanum oleracea</i> L.	American black nightshade	COE517; COE540; COE2107;						
<i>Solanum tuberosum</i> L.	Potato	COE2106					yes (Root and tuber vegetables)	
<i>Solidago suaveolens</i> Schoepf	Golden rod						yes (golden rod)	
<i>Sophora flavescens</i> Aiton	Kurara						yes (Kurara)	
<i>Sophora japonica</i> L.	Enju				N140 (flower absolute); N141 (flower concrete);		yes (enju, japanese pagoda tree)	
<i>Sorbus aucuparia</i> L.	Rowan tree						yes (Rowan tree, European mountain ash)	
<i>Sorbus domestica</i> L.	Whitty pear	COE385					yes (Pear)	
South American spp. of <i>Copaifera</i> L.	Copaiba			CFR.21 §172.510	N307 (oil)	South American spp. of <i>Copaifera</i> L. (All parts)		76 (copaiba)
<i>Spartium junceum</i> L.	Genet	COE436	2504; 2505	CFR.21 §172.510	N224 (absolute);		yes (genet)	109 (genet flowers) (<i>sPartium junceum</i> L.)
<i>Spilanthes acmella</i> (L.) L.	Para cress					<i>Spilanthes acmella</i> (All parts)		
<i>Stachys sylvatica</i> L.	Hedge woundwort					<i>Stachys sylvatica</i> (Leaves and flowers)		
<i>Stellaria neglecta</i> (Lej.) Weihe	Common chickweed						yes (Hakobe; common chickweed)	
<i>Sterculia</i> spp.	Karaya gum	COE437	2605	CFR.21 §184.1349	N365 (karaya gum)			
<i>Stevia rebaudiana</i> (Bertoni) Bertoni	<i>Stevia rebaudiana</i>	COE552; COE2108;	4728;4771;4772;4796;4805;4806;4845;4876;4895;4909;4910;4911;4931;4947;4950;4951;4952;4953;4992		N130 (<i>Stevia rebaudiana</i> oil); N403 (Glucosyl steviol glycosides - FEMA 4728)	<i>Stevia rebaudiana</i> (Leaves)		
<i>Streptococcus lactis</i>	Cultured lactic acid bacteria solution						yes (Cultured lactic acid bacteria solution)	
<i>Strongylocentrotus droebachiensis</i> (O.F. Mueller)	Sea urchin						yes (Sea urchin)	

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<i>Styrax benzoin</i> Dryand.	Benzoin Sumatra	COE439	2133	CFR.21 §172.510		<i>Styrax benzoin</i> Dryander (All parts)	yes (benzoin)	22 (benzoin resin)
<i>Styrax paralleloneurus</i> Perkins	Benzoin		2133	CFR.21 §172.510		<i>Styrax</i> spp. (Resin)	yes (benzoin)	22 (benzoin resin)
<i>Styrax tonkinensis</i> Craib ex Hartwich	Benzoin Siam	COE2109	2133	CFR.21 §172.510	N242 (benzoin resinoid)	<i>Styrax tonkinensis</i> (Resin)	yes (benzoin)	22 (benzoin resin)
<i>Swertia chirata</i> Buch.-Ham. ex Wall.	Indian Chiretta	COE440		CFR.21 §172.510 (in alcoholic beverages only)		<i>Swertia chirayta</i> Buch Ham. (All parts)	yes (chirata)	58 (chirata)
<i>Symphytum officinale</i> L.	Sage	COE441					yes (comfrey)	
<i>Syringa vulgaris</i> Linne	Lilac						yes (Lilac)	
<i>Syzygium aromaticum</i> (L.) Merr. & L.M.Perry	Clove tree	COE188	2322; 2323; 2324; 2325; 2327; 2328	CFR.21 §184.1257	N001 (leaf oil); N002 (bud tincture, extract); N003 (bud oil); N228 (stem oil); N289 (bud oleoresin)	<i>Eugenia caryophyllus</i> (C. Spreng.) Bull. ex. Harr. (All parts)	yes (clove)	
<i>Syzygium jambos</i> (L.) Alston	Rose apple					<i>Syzygium jambos</i> (Fruits and leaves)	yes (Rose apple)	
<i>Syzygium samarangense</i> (Blume) Merr. & L.M.Perry	Java-apple						yes (Wax jambu, Mankil)	
<i>Tagetes erecta</i> L.	Marigold	COE494	3040	CFR.21 §172.510 (As oil only)	N008 (tagetes oil);	<i>Tagetes erecta</i> L. (All parts)	yes (marigold)	
<i>Tagetes glandulifera</i> Schrank.	African marigold	COE443; COE2110	3040	CFR.21 §172.510 (As oil only)	N008 (tagetes oil);	<i>Tagetes glandulifera</i> Schrank. (All parts)	yes (Marigold)	
<i>Tamarindus indica</i> L.	Tamarind	COE444		CFR.21 §182.20	N317 (extract);		yes (Tamarind)	245 (tamarind)
<i>Tanacetum balsamita</i> L.	Costmary	COE445		CFR.21 §172.510 (in alcoholic beverages only)		<i>Balsamita suaveolens</i> Desf. (All parts)	yes (costamary)	79 (Costmary)
<i>Tanacetum vulgare</i> L.	Tansy	COE446		CFR.21 §172.510 (In alcoholic beverages only; finished alcoholic beverage thujone free)			yes (tansy)	247 (tansy)
<i>Taraxacum officinale</i> (L.) Weber ex F.H.Wigg.	Dandelion	COE447	2357; 2358	CFR.21 §182.20	N291 (fluid extract); N292 (root solid extract);	<i>Taraxacum officinale</i> (All parts)	yes (dandelion)	86 (dandelion) 87 (dandelion root)
<i>Tasmania lanceolata</i>	Tasmania lanceolata		4755			<i>Tasmania lanceolata</i> (All parts)		
<i>Terminalia chebula</i> Retz.	Myrobalan	COE448					yes (myrobalan)	
<i>Tetraclinis articulata</i> (Vahl) Mast.	Sandarac			CFR.21 §172.510 (in alcoholic beverages only)		<i>Tetraclinis articulata</i> (Vahl.), Mast (All parts)	yes (sandarac)	231 (sandarac)
<i>Tetradium ruticarpum</i> (A.Juss.) T.G.Hartley	Goshuyu					<i>Tetradium ruticarpum</i> (Fruits)	yes (Goshuyu)	
<i>Teucrium chamaedrys</i> L.	Wall germander	COE449		CFR.21 §172.510 (in alcoholic beverages only)		<i>Teucrium chamaedrys</i> L. (All parts)	yes (germander)	115 (germander, chamaedrys)
<i>Teucrium polium</i> L.	Hulwort			CFR.21 §172.510 (in alcoholic beverages only)		<i>Teucrium polium</i> L. (All parts)	yes (Germander)	116 (germander, golden)
<i>Thaumatococcus daniellii</i> (Benn.) Benth.	Katemfe	COE2110a	4831		N404 (fruit extract)	<i>Thaumatococcus daniellii</i> (Bennett) Benth (Fruits)		
<i>Theobroma cacao</i> L.	Cocoa tree	COE452		CFR.21 §182.20	N023 (tincture); N024 (husk tincture);		yes (cacao)	31 (cacao)
<i>Theobroma grandiflorum</i> (Willd. ex Spreng.) K.Schum.	Theobroma					<i>Theobroma grandiflorum</i> (seeds and fruit pulp)		
<i>Theragra chalcogramma</i> Pallas	Alaska pollock						yes (fish)	
<i>Thuja occidentalis</i> L.	Yellow cedar	COE453	2267	CFR.21 §172.510 (finished food thujone free)	N084 (cedar leaf oil);	<i>Thuja occidentalis</i> L. (Leaves and twigs)	yes (Cedar)	49 (Cedar, white, Aborvitae, leaves, twigs)
<i>Thujopsis dolabrata</i> (Linne f.) Siebold et Zuccarini	Hiba						yes (Hiba)	
<i>Thymbra capitata</i> (L.) Cav.	Origanum	COE454	2827; 2828	CFR.21 §172.510; CFR.21 §182.20; CFR.21 §182.10	N154 (origanum oil); N331 (Oregano oleoresin)	<i>Thymus capitatus</i> L. Hoffmanns & Link (All parts)	yes (origanum)	
<i>Thymus serpyllum</i> L.	Thyme	COE455		CFR.21 §182.10; CFR.21 §182.20			yes (thyme)	252 (thyme, wild, creePing)
<i>Thymus vulgaris</i> L.	Thyme	COE456	3063; 3064; 3065	CFR.21 §182.10; CFR.21 §182.20	N158 (oil, T. vulgaris or zigsL.); N235 (thyme, white, oil; T. zygis);	<i>Thymus vulgaris</i> L. (All parts)	yes (thyme)	250 (thyme) 251 (white thyme)
<i>Thymus zygis</i> L.	Spanish Thyme	COE457		CFR.21 §182.20			yes (thyme)	

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Tilia spp.	Linden	COE458	2647	CFR.21 §172.510 (in alcoholic beverages only); CFR.21 §182.10; CFR.21 §182.20		Tilia spp. (Flowers)	yes (linden)	146 (linden flowers) 147 (linden leaves)
Tilia tomentosa Moench	Silver linden	COE2111				Tilia spp. (Flowers)		
Torreya grandis Fortune ex Lindl.	Chinese nutmeg yew				N109 (concrete)			
Trachyspermum ammi (L.) Sprague	Ajowan	COE111				Carum ajowan L. (Seeds)	yes (ajowan)	
Trapa japonica Flerow	Water chestnut						yes (Hishi, Water chestnut)	
Trapa natans L.	Bullnut					Trapa natans (Fruits)	yes (Hishi, Water chestnut)	
Tricholoma matsutake (S.Ito & S.Imai) Singer	Matsutake						yes (Matsutake)	
Trichosanthes cucumeroides Maxim.	Karasuuri						yes (Karasuuri)	
Trifolium pratense L.	Clover tops	COE459	2326	CFR.21 §182.10; CFR.21 §182.20	N290 (clover toPs red extract solid);	Trifolium pratense L. (All parts)	yes (Clover)	71 (clover)
Trigonella foenum-graecum L.	Fenugreek	COE460	2484; 2485; 2486	CFR.21 §182.10; CFR.21 §182.20	N314 (fenugreek absolute); N319 (fenugreek seed extract); N079 (fenugreek tincture, extract);	Trigonella foenum-graecum L. (All parts)	yes (fenugreek)	102 (Fenugreek)
Trimeresurus gramineus Shaw	Common Bamboo Viper						yes (Snake)	
Triticum aestivum L. emend. Fiori et Paol.	Wheat	COE518; COE2112;					yes (bran, cereals)	
Tropaeolum majus L.	Common nasturtium						yes (common nasturtium)	
Tsuga and Picea spp.	Spruce		3034	CFR.21 §172.510		Tsuga and picea spp. (Leaves and twigs)	yes (spruce)	243 (sPruce needles and twigs)
Tsuga canadensis (L.) Carrière	Canadian pine	COE461		CFR.21 §172.510		Tsuga canadensis (L.) Carri (Leaves and twigs)		123 (Hemlock needles and twigs)
Tuber magnatum Pico	piedmontese truffle	COE544; COE2113;						
Tuber melanosporum Vitt.	Truffle, French	COE545; COE2114;						
Tuber melanosporum Vittad.	Truffle						yes (truffle)	
Turnera diffusa Willd.	Damiana	COE462		CFR.21 §172.510	N308 (leaves);	Turnera diffusa Willd. (Leaves)	yes (damiana)	85 (damiana leaves)
Tussilago farfara L.	Coltsfoot	COE463					yes (coltsfoot)	
Ulmus fulva Michx.	Slippery elm	COE464					yes (Elm)	
Uncaria gambier Roxb.	Gambir	COE465		CFR.21 §172.510		Uncaria gambier Roxb. (All parts)	yes (gambir)	108 (Gambir, catechu, Pale)
Undaria pinnatifida (Harvey) Suringar	Wakame						yes (Seaweed)	
Urtica dioica L.	Common nettle	COE468				Urtica dioica L. (All parts)	yes (nettle)	
Usnea barbata (L.) Wiggers	Treemoss	COE2115						
Vaccinium corymbosum L.	Highblush blueberry	COE2116; COE4700;						
Vaccinium macrocarpum Aiton	Cranberry, large	COE470					yes (cranberry)	
Vaccinium myrtillus L.	Bilberry	COE469					yes (Blueberry)	
Vaccinium oxycoccos L.	Small cranberry	COE529; COE571; COE2117; COE4700;					yes (Cranberry)	
Vaccinium uliginosum L.	Blueberry	COE471				Vaccinium uliginosum L. (Fruits and leaves)	yes (blueberry)	
Vaccinium vitis-idaea L.	Cowberry	COE472					yes (Cranberry)	
Valeriana officinalis L.	Valerian	COE473	3099; 3100	CFR.21 §172.510	N145 (root oil); N299 (root extract);	Valeriana officinalis L. (Bulbs and roots)	yes (valerian)	256 (valerian, rhizome and roots)
Vanilla mexicana Mill.	Mexican vanilla	COE2118			N104 (bean tincture); N105 (bean concrete)	Vanilla spp. (All parts)		
Vanilla planifolia Andrews	Bourbon vanilla	COE474	3104; 3105; 3106	CFR.21 §182.10; CFR.21 §182.20	N104 (bean tincture); N105 (bean concrete); N300 (oleoresin);	Vanilla spp. (All parts)	yes (vanilla)	257 (vanilla)
Vanilla tahitensis J.W.Moore	Tahitian vanilla		3104; 3105; 3106	CFR.21 §182.10; CFR.21 §182.20	N104 (bean tincture); N105 (bean concrete)	Vanilla spp. (All parts)	yes (vanilla)	257 (vanilla)

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<i>Vanillosmopsis erythropappa</i> (DC.) Sch.Bip.	Candeia						yes (Candeia)	
<i>Verbascum thapsus</i> L.	Mullein	COE475		CFR.21 §172.510 (in alcoholic beverages only)		<i>Verbascum thapsus</i> L. (Flowers)	yes (mullein)	162 (mullein flowers)
<i>Verbena odorata</i>	Lemon verbena	COE519; COE2119;				<i>Verbena odorata</i> (All parts)		
<i>Verbena officinalis</i> L.	Vervain	COE476		CFR.21 §172.510 (in alcoholic beverages only)			yes (verbena, vervain)	259 (vervain, EuroPeian)
<i>Veronica allionii</i> Vill.	Alpine speedwell	COE477				<i>Veronica allionii</i> Vill. (All parts)	yes (Veronica)	
<i>Veronica officinalis</i> L.	Veronica	COE478		CFR.21 §172.510 (in alcoholic beverages only)		<i>Veronica officinalis</i> L. (All parts)	yes (veronica)	258 (veronica)
<i>Vetiveria zizanioides</i> (L.) Nash	Vetiver	COE479		CFR.21 §172.510 (in alcoholic beverages only)	N102 (oil); N103 (concrete);	<i>Vetiveria zizanioides</i> (L.) Stapf. (All parts)	yes (vetiver)	260 (vetiver)
<i>Viburnum opulus</i> L.	European cranberry bush					<i>Viburnum opulus</i> (Fruits)		
<i>Viburnum prunifolium</i> L.	Black haw	COE480	2538	CFR.21 §172.510		<i>Viburnum prunifolium</i> L. (Bark)	yes (haw)	122 (haw, black, bark)
<i>Vicia faba</i> L.	Broad bean flower				N126 (tincture);			
<i>Vigna angularis</i> Ohwi et Ohashi var. <i>angularis</i>	Red beans						yes (Red beans)	
<i>Viola calcarata</i> L.	Violet, Swiss			CFR.21 §172.510		<i>Viola calcarata</i> L. (All parts)	yes (violet)	261 (violet, swiss)
<i>Viola canina</i> L.	Dog's violet	COE481					yes (violet)	
<i>Viola odorata</i> L.	Blue violet	COE482	3110	CFR.21 §182.20	N136 (leaf concrete); N301 (leaves absolute);	<i>Viola odorata</i> L. (Flowers)	yes (violet)	262 (violet, flowers) 263 (violet, leaves) 264 (violet leaves absolute)
<i>Viola tricolor</i> L.	Pansy	COE483		CFR.21 §172.510 (in alcoholic beverages only)		<i>Viola tricolor</i> L. v. <i>Arvensis</i> (All parts)	yes (Violet)	
<i>Viscum album</i> L.	Mistletoe						yes (Mistletoe)	
<i>Vitex cannabifolia</i> Siebold et Zuccarini	Hamago				N050 (oil)		yes (Hamago)	
<i>Vitis vinifera</i> L.	Grape-vine	COE485	2331; 2332; 4045	CFR.21 §182.50	N017 (oil); N238 (oil); N400 (grape seed extract)	<i>Vitis vinifera</i> L. (Fruits and seeds)	yes (grape; wine lees)	74 (cognac oil, white and green)
<i>Viverra zibetha</i> Schreber	Civet	COE558; COE1006; COE3006; COEVI (Civet)	2319	CFR.21 §182.50	N361 (civet absolute)	<i>Viverra civetta</i> Schreber (All parts)	yes (Civet)	69 (Civet, Zibet, Zibeth, Zibetum)
<i>Yucca brevifolia</i> Engelm.	Joshua tree	COE487	3120	CFR.21 §172.510		<i>Yucca</i> spp. (All parts)	yes (Yucca)	268 (Yucca, Joshua tree)
<i>Yucca schidigera</i> Roezl ex Ortigies	Mohave Yucca	COE487A	3121	CFR.21 §172.510	N202 (yucca mohave extract)	<i>Yucca schidigera</i> Roezl ex Ortigies (All parts)	yes (Yucca)	270 (yucca mohave)
<i>Zanthoxylum americanum</i> Mill.	Prickly ash		2110	CFR.21 §182.20	N342 (Prickly ash, bark extract)	<i>Xanthoxylum</i> spp. (Bark)	yes (prickly ash)	207 (Prickly ash bark)
<i>Zanthoxylum armatum</i> DC.	Winged prickly-ash	COE486				<i>Zanthoxylum armatum</i> (Fruits, seeds and stems)	yes (prickly ash)	
<i>Zanthoxylum bungeanum</i> Maxim.	Japanese pepper		4754		N342 (root)	<i>Xanthoxylum</i> spp. (Bark)	yes (Japanese pepper)	
<i>Zanthoxylum clava-herculis</i> L.	Pepperwood	COE2120	2110	CFR.21 §182.20	N342 (Prickly ash, bark extract)	<i>Xanthoxylum</i> spp. (Bark)		207 (Prickly ash bark)
<i>Zanthoxylum piperitum</i> (L.) DC.	Japanese pepper		5047; 5048					
<i>Zanthoxylum rhetsa</i> DC.	Cape yellowwood					<i>Zanthoxylum rhetsa</i> (Fruits, seeds and stems)		
<i>Zea mays</i> L.	Maize	COE488	2335	CFR.21 §184.1262		<i>Zea mays</i> L. (Corn hair (Silk))	yes (maize)	
<i>Zingiber mioga</i> (Thunb.) Roscoe	Myoga					<i>Zingiber mioga</i> (Flowers, flower buds and rhizomes)	yes (Myoga)	
<i>Zingiber officinale</i> Roscoe	Ginger	COE489	2520; 2521; 2522; 2523	CFR.21 §182.10; CFR.21 §182.20	N162 (extract); N075 (oil); N036 (oleoresin);	<i>Zingiber officinale</i> Roscoe. (All parts)	yes (ginger)	117 (ginger)
<i>Ziziphus jujuba</i> Mill.	Chinese date				N053 (tincture); N393 (concrete)	<i>Ziziphus jujuba</i> Mill. (Fruits)	yes (jujube)	
	Butter		2171; 2172; 2173	CFR.21 §172.515 (butter acids and esters); CFR.21 §184.1848	N240 (acids); N239 (esters); N159 (starters of distillate)		yes (butter); yes (butter oil); yes (butter milk)	
	Cream						yes (cream)	
	Curry powder						yes (Curry powder)	
	Fermented alcoholic beverages						yes (Fermented alcoholic beverages)	
	Fermented milk						yes (Fermented milk)	

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	Fermented seasoning solution						yes (Fermented seasoning solution)	
	Fusel oil		2497	CFR.21 §172.515	N402 (fusel oil, refined)		yes (fusel oil)	
	Liqueur						yes (Liqueur)	
	Oil and fats						yes (Oil and fats)	
	Peptone						yes (peptone)	
	Pickled products						yes (pickled products)	
	Pressed sake cake						yes (pressed sake cake)	
	Pressed soy sauce cake						yes (pressed soy sauce cake)	
	Proteins						yes (proteins)	
	Sauces						yes (Sauces)	
	Spirits						yes (Spirits)	
	Vinegar						yes (Vinegar)	
	Whey						yes (Whey)	
	Arachidonic acid enriched oil		4679			Arachidonic acid		
	Caramel		2235	CFR.21 §182.1235			yes (Caramel)	
	Pyroligneous acid		2968; 2967	CFR.21 §172.515	N267 (Pyroligneous acid);	Pyroligneous acid (BPOM 13/2020)		
	Rum absolute				N380 (rum absolute)			
	Valencene 80 extract		4838					
	Nootkatone Complex		4941					
	Cheese						yes (Cheese)	
	Natural hickory smoke flavor		4222					
	Heat-treated glucosylated steviol glycosides 35% with steviol glycosides 10%		5042					

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⁽²⁾ Please refer to Annex II for a description of the material

Country/Region	Reference
EU	Council of Europe (1981). Flavouring Substances and Natural Sources of Flavourings. 3rd Edition. ISBN 2-7160-0081-6
	Council of Europe (2000). Natural Source of Flavourings. Report No. 1. ISBN 92-871-4324-2
	Council of Europe (2007). Natural Source of Flavourings. Report No. 2. ISBN 978-92-871-6156-7
	Council of Europe (2008). Natural Source of Flavourings. Report No. 3. ISBN 978-92-871-6422-3
US	Code of Federal Regulations Title 21- Food and Drugs, Chapter I – Food and Drug Administration, Department of Health and Human Services:
	§ 172.510 - Natural flavoring substances and natural substances used in conjunction with flavors
	§ 182.10 - Spices and other natural seasonings and flavorings
	§ 182.20 - Essential oils, oleoresins (solvent-free), and natural extractives (including distillates)
	§ 182.40 - Natural extractives (solvent- free) used in conjunction with spices, seasonings, and flavorings
	§ 182.50 - Certain other spices, seasonings, essential oils, oleoresins, and natural extracts
	FEMA - Flavor Ingredient Library
China	Chinese National Food Safety Standard for Uses of Food Additives (GB 2760-2024)
Indonesia	BPOM (National Agency of Drug and Food Control of Republic of Indonesia) Regulation No.13/2020
	BPOM Decree on 20 April 2021
Japan	Food Sanitation Law (Law No 233, December 24, 1947; Final amendment: Law No 101, May 24, 1995) - Food Additives in Japan - Appendix 5; Published under the Supervision of Food Chemistry Division of the Ministry of Health and Welfare (1997)
Korea	Ministry of Food and Drug Safety (KFDA). Food Additives Code. Natural Flavoring Substances. [English (full text of Food Additives Code)]
	Ministry of Food and Drug Safety (KFDA). Food Additives Code. Natural Flavoring Substances. [Korean]

Latin Name	Name of NCS	CAS	FEMA	CoE
ABIES ALBA MILL.	SILVER FIR OIL	8021-27-0, 90028-76-5		COE2, COE4
ABIES BALSAMEA (L.) MILL.	BALSAM FIR OIL	85058-34-3	2114	
ABIES BALSAMEA (L.) MILL.	BALSAM FIR OLEORESIN	85058-34-3	2115	
ABIES SIBIRICA LEDEB., A. ALBA MILL., A. SACHALINENSIS MASTERS, A. MAYRIANA MIYABE AND KUDO	PINE NEEDLE OIL	8021-29-2	2905	
ACACIA CATECHU WILLD.	CATECHU EXTRACT	8001-76-1	2264	
ACACIA CATECHU WILLD.	CATECHU POWDER	8001-76-1	2265	
ACACIA DEALBATA LINK.	SILVER WATTLE ABSOLUTE			COE522, COE572, COE2001, COE6000
ACACIA DECURRENS WILLD. VAR. DEALBATA	MIMOSA ABSOLUTE	93685-96-2	2755	
ACACIA FARNESIANA (L.) WILLD.	CASSIE ABSOLUTE	89958-31-6	2260	
ACER NEGUNDO L.	MAPLE TREE DISTILLATE			COE10
ACER SACCHARUM L.	BLACK SUGAR MAPLE OLEORESIN			COE11
ACER SPICATUM LAM.	MOUNTAIN MAPLE EXTRACT SOLID	91770-23-9	2757	
ACHILLEA ERBAROTTA (ALL.) SSP. MOSCHATA (WULF.) IBK RICHARDS	MUSK MILFOIL OIL			COE562, COE1200, COE2003,
ACHILLEA ERBAROTTA (ALL.) SSP. MOSCHATA (WULF.) IBK RICHARDS	MUSK MILFOIL TINCTURE			COE562, COE1200, COE2003,
ACHILLEA MOSCHATA L.	MUSK YARROW EXTRACT			COE12A
ACHILLEA MOSCHATA L.	MUSK YARROW OIL			COE12A
ACHILLEA MOSCHATA L.	MUSK YARROW TINCTURE			COE12A
ACTINIDA CHINENSIS PLANCH.	KIWI EXTRACT			COE2004
ACTINIDA CHINENSIS PLANCH.	KIWI OIL			COE2004
ADIANTUM CAPILLUS-VENERIS L.	VENUS HAIR TINCTURE			COE14
AGARICUS BISPORUS	MUSHROOM OIL, DISTILLED	946156-68-9	4487	
AGATHOSMA BETULINA X CREMULATA	ROUND LEAF BUCHU TINCTURE			COE85c
AGAVE AMERICANA L.	AMERICAN ALOE EXTRACT			COE17
AGAVE TEQUILANA F.A.C.WEBER	BLUE AGAVE INULIN		4954	
AGROPYRON REPENS (L.) BEAUV.	DOGGRASS EXTRACT	84649-79-6	2403	
AJUGA CHAMAEPITYS (L.) SCHREB.	YELLOW BUGLE EXTRACT			COE20
ALLIUM ASCALONICUM L.	SHALLOT OIL	68917-45-3		COE23
ALLIUM ASCALONICUM L.	SHALLOT OLEORESIN			COE23
ALLIUM CEPA L.	ONION OIL	8002-72-0	2817	
ALLIUM PORRUM L.	LEEK OIL	84650-15-7		COE25
ALLIUM PORRUM L.	LEEK OLEORESIN			COE25
ALLIUM SATIVUM L.	GARLIC OIL	8000-78-0	2503	
ALLIUM SCHOENOPRASUM L.	CHIVE TINCTURE			COE27
ALOE SPP.	ALOE EXTRACT	8001-97-6	2047	
ALOYSIA CITRIODORA PALAU	LEMON VERBENA ABSOLUTE	8024-12-2, 85116-63-8		COE264
ALOYSIA CITRIODORA PALAU	LEMON VERBENA OIL	8024-12-2, 85116-63-8		COE264
ALOYSIA CITRIODORA PALAU	LEMON VERBENA TINCTURE	8024-12-2, 85116-63-8		COE264
ALPINIA OFFICINARUM HANCE, A. GALANGA WILLD.	GALANGAL ROOT EXTRACT	8024-40-6	2499	
ALPINIA OFFICINARUM HANCE, A. GALANGA WILLD.	GALANGAL ROOT OIL	8024-40-6	2500	
ALTHAEA ROSEA (L.) CAV.	ROSE MALLOW OIL			COE32
ALTHAEA ROSEA (L.) CAV.	ROSE MALLOW TINCTURE			COE32
AMYRIS BALSAMIFERA L.	WEST INDIAN SANDALWOOD OIL	8015-64-4, 90320-49-3		COE33
ANACARDIUM OCCIDENTALE L.	CASHEW EXTRACT			COE34
ANACYCLUS OFFICINARUM HAYNE	PELLITORY OF GERMANY EXTRACT			COE35
ANACYCLUS PYRETHRUM LAG.	PELLITORY EXTRACT			COE2007
ANACYCLUS PYRETHRUM LAG.	PELLITORY TINCTURE			COE2007
ANANAS COMOSUS (L.) MERRIL	PINEAPPLE EXTRACT	97676-27-2, 68917-26-0		COE36
ANANAS COMOSUS (L.) MERRIL	PINEAPPLE OIL	97676-27-2, 68917-26-0		COE36
ANDROGRAPHIS PANICULATA NEES	INDIAN CHIRETTA TINCTURE	90604-50-5		COE37
ANETHUM GRAVEOLENS L.	DILL OIL	8006-75-5	2383	
ANGELICA ARCHANGELICA L.	ANGELICA ROOT EXTRACT	84775-41-7	2087	
ANGELICA ARCHANGELICA L.	ANGELICA ROOT OIL	8015-64-3	2088	
ANGELICA ARCHANGELICA L.	ANGELICA SEED EXTRACT	84775-41-7	2089	
ANGELICA ARCHANGELICA L.	ANGELICA SEED OIL	8015-64-3	2090	
ANGELICA ARCHANGELICA L.	ANGELICA STEM OIL	8015-64-3	2091	
ANGELICA SYLVESTRIS L.	WILD ANGELICA TINCTURE			COE43
ANIBA ROSAEODORA DUCKE	BOIS DE ROSE OIL	8015-77-8	2156	

Latin Name	Name of NCS	CAS	FEMA	CoE
ANNONA CHERIMOLA MILL.	CUSTARD APPLE EXTRACT			COE46A, COE570, COE2008, COE4600
ANNONA MURICATA L.	CORROSOL EXTRACT			COE45
ANNONA RETICULATA L.	BULL'S HEART EXTRACT			COE47
ANNONA SQUAMOSA L.	SUGAR APPLE EXTRACT			COE46
ANTHEMIS NOBILIS L.	CHAMOMILE FLOWER ENGLISH OIL	8015-92-7	2272	
ANTHEMIS NOBILIS L.	CHAMOMILE FLOWER ROMAN EXTRACT	84649-86-5	2274	
ANTHEMIS NOBILIS L.	CHAMOMILE FLOWER ROMAN OIL	8015-92-7	2275	
ANTHOXANTHUM ODORATUM L.	PIG GRASS ABSOLUTE	68916-09-6, 89957-44-8		COE49
ANTHOXANTHUM ODORATUM L.	PIG GRASS OIL	68916-09-6, 89957-44-8		COE49
ANTHYLLIS VULNERARIA L.	WOUNDWORT EXTRACT			COE51
APIUM GRAVEOLENS L.	CELERY SEED EXTRACT	89997-35-3	2269	
APIUM GRAVEOLENS L.	CELERY SEED EXTRACT SOLID	89997-35-3	2270	
APIUM GRAVEOLENS L.	CELERY SEED OIL	8015-90-5	2271	
ARACHIS HYPOGAEA L.	PEANUT FIXED OIL BY COLD EXPRESSION	8002-03-7		COE54
ARBUTUS UNEDO L.	STRAWBERRY TREE DISTILLATE			COE55
ARCTIUM MAJUS BERNH.	GREAT BURDOCK TINCTURE			COE57
ARISTOLOCHIA SERPENTARIA L.	SERPENTARY			COE58, COE75
ARMORACIA LAPATHIFOLIA GILIB. EX USTERI	HORSERADISH OIL	84775-62-2		COE145
ARNICA MONTANA L.	ARNICA ABSOLUTE	8057-65-6, 68990-11-4		COE59
ARNICA MONTANA L.	ARNICA OIL	8057-65-6, 68990-11-4		COE59
ARTEMISIA ABROTANUM L.	SOUTHERWOOD EXTRACT			COE60
ARTEMISIA ABROTANUM L.	SOUTHERWOOD OIL			COE60
ARTEMISIA ABSINTHIUM L.	WORMWOOD EXTRACT	8008-93-3	3115	
ARTEMISIA ABSINTHIUM L.	WORMWOOD OIL	8008-93-3	3116	
ARTEMISIA DRACUNCULUS L.	ESTRAGON OIL	8016-88-4	2412	
ARTEMISIA DRACUNCULUS L.	TARRAGON OLEORESIN	90131-45-6		COE64
ARTEMISIA GLACIALIS L.	GLACIER WORMWOOD TINCTURE			COE71A
ARTEMISIA HERBA-ALBA ASSO.	WHITE WORMWOOD OIL	84775-75-7		COE2011
ARTEMISIA HERBA-ALBA ASSO.	WHITE WORMWOOD TINCTURE	84775-75-7		COE2011
ARTEMISIA MUTELLINA VILL.	ALPINE WORMWOOD TINCTURE			COE68
ARTEMISIA PALLENS WALL.	DAVANA OIL	8016-03-3	2359	
ARTEMISIA PONTICA L.	PONTIQUE WORMWOOD TINCTURE			COE70
ARTEMISIA SPICATA WULF.	GENEPPI TINCTURE			COE66
ARTEMISIA VALLESIANA LAM.	MOUNTAIN WORMWOOD OIL			COE71
ARTEMISIA VULGARIS L.	COMMON MUGWORT OIL	68991-20-8, 8022-37-5, 84775-45-1		COE72
ARTOCARPUS INCISA J. H. & G. FORSTER	BREAD FRUIT TREE EXTRACT			COE73
ASARUM CANADENSE L.	SNAKEROOT CANADIAN OIL	8016-69-1	3023	
ASARUM EUROPAEUM L.	HAZELWORT EXTRACT			COE76
ASCOPHYLLUM NODOSUM	KNOTTED WRACK EXTRACT			COE2013
ASPARAGUS OFFICINALIS L.	GARDEN ASPARAGUS EXTRACT			COE530, COE2010, COE2014
ASPERULA ODORATA L.	WOODRUFF TINCTURE	90028-83-4		COE77, COE1003
ASPIDOSPERMA QUEBRACHO-BLANCO SCHLECHT., SCHINOPSIS LORENTZII (GRISEB.) ENGL.	QUEBRACHO BARK EXTRACT	89957-46-0	2972	
AVERRHOA BILIMBI L.	BILIMBI EXTRACT			COE82
AVERRHOA CARAMBOLA L.	STARFRUIT EXTRACT	97675-54-2		COE83
BALLOTA NIGRA L.	BLACK HEMPNETTLE EXTRACT			COE84
BALSAMITA SUAVEOLENS DESF.	COSTMARY TINCTURE			COE445
BAROSMA BETULINA BARTL. ET WENDL., B. CRENULATA (L.) HOOK, B. SERRATIFOLIA WILLD.	BUCHU LEAVES OIL	68650-46-4	2169	
BAROSMA BETULINA BARTL. ET WENDL., B. CRENULATA (L.) HOOK, B. SERRATIFOLIA WILLD.	BUCHU LEAVES EXTRACT	68650-46-4	4923	
BERBERIS VULGARIS L.	BARBERRY EXTRACT			COE86
BETA VULGARIS L.	SUGAR BEET JUICE EXTRACT	8016-79-3	4229	
BETONICA OFFICINALIS L.	WOOD BETONY EXTRACT			COE87
BETULA ALBA L.	SWEET BIRCH EXTRACT	8001-88-5, 84012-15-7, 85940-29-0, 91745-85-6		COE88
BETULA LENTA L.	BIRCH SWEET OIL	68917-50-0	2154	
BOEHMERIA NIVEA (L.) GAUDICH.	BOEHMERIA NIVEA LEAF EXTRACT		4956	

Latin Name	Name of NCS	CAS	FEMA	CoE
BORONIA MEGASTIGMA NEES	BORONIA ABSOLUTE	91771-36-7	2167	
BOSWELLIA CARTERII BIRDW. AND OTHER BOSWELLIA SPP.	OLIBANUM OIL	8016-36-2	2816	
BRASSICA NAPUS L.	COLEWORT FIXED OIL BY COLD EXPRESSION	8002-13-9		COE94
BRASSICA NIGRA (L.) KOCH	MUSTARD OIL	8007-40-7		COE95
BRASSICA OLERACEA L.	COLEWORT EXTRACT			COE2018
BRASSICA OLERACEA VAR BOTRYTIS L.	CAULIFLOWER EXTRACT			COE2019
BURSERA DELPECHIANA POISS. AND OTHER BURSERA SPP.	LINALOE WOOD OIL	8006-86-8	2634	
CACCINIUM OCYCOCCOS L.	SMALL CRANBERRY EXTRACT			COE529, COE571, COE2117, COE4700
CAESALPINIA ECHINATA LAM.	BRAZIL WOOD			COE98
CALAMINTHA OFFICINALIS MOENCH.	WILD BASIL OIL			COE99
CALLUNA VULGARIS (L.) HULL.	COMMON HEATHER EXTRACT			COE102
CAMELLIA SINENSIS (L.) KUNTZE	PALMITOYLATED GREEN TEA EXTRACT CATECHINS	1448315-04-5	4812	
CAMELLIA SINENSIS (L.) KUNTZE	TEA EXTRACT			COE451
CAMELLIA SINENSIS (L.) KUNTZE	TEA BUSH TINCTURE			COE451
CANANGA ODORATA HOOK. F. AND THOMAS	YLANG YLANG OIL	8006-81-3	3119	
CANANGA ODORATA HOOK. F. AND THOMS.	CANANGA OIL	68606-83-7	2232	
CANARIUM COMMUNE L., C. LUZONICUM (MIQ.) A. GRAY	ELEMI OIL	8023-89-0	2408	
CANELLA ALBA MURR.	WHITE CANELLA OIL			COE105
CAPPARIS SPINOSA L.	CAPER BUSH EXTRACT			COE106
CAPSIUM ANNUUM L.	PAPRIKA OLEORESIN	84625-29-6	2834	
CAPSIUM FRUTESCENS L., C. ANNUUM L.	CAPSIUM EXTRACT	8023-77-6	2233	
CAPSIUM FRUTESCENS L., C. ANNUUM L.	CAPSIUM OLEORESIN	8023-77-6	2234	
CARICA PAPAYA L.	PAPAW TREE EXTRACT			COE109
CARTHAMUS TINCTORIUS L.	SAFFLOWER FIXED OIL BY COLD EXPRESSION	8001-23-8		COE110
CARUM CARVI L.	CARAWAY OIL	8000-42-8	2238	
CARUM COPTICUM (L.) BENTHE & HOOK	AJOWAN OIL	8001-99-8, 91745-13-0		COE111
CARYA ILLINOINENSIS (WANGENH.) K.KOCH	PECAN SHELL FLOUR	246166-03-0	4385	
CARYA SPP.	HICKORY BARK EXTRACT	91723-46-5	2577	
CASSIA ACUTIFOLIA DELISLE	SENNA EXTRACT			COE114, COE114A, COE524, COE561, COE605, COE1140, COE2022
CASSIA BURMANII WEIGHT	INDONESIAN CINNAMON OIL			COE497, COE2023,
CASSIA FISTULA L.	PURGING CASSIA OIL			COE115
CASTANEA DENTATA (MARSH.) BORKH.	CHESTNUT EXTRACT			COE2024
CASTOR FIBER L., C. CANADENSIS KUHL	CASTOREUM EXTRACT	8023-83-4	2261	
CASTOR FIBER L., C. CANADENSIS KUHL	CASTOREUM, LIQUID	8023-83-4	2262	
CEDRUS LIBANI BARREL	CEDAR OF LEBANON OIL			COE117
CENTAUREA CENTAURIUM L.	LARGE CENTAURY TINCTURE			COE118
CENTAUREA CYANUS L.	CORNFLOWER TINCTURE			COE119
CERATONIA SILIQUA L.	CAROB BEAN EXTRACT	84961-45-5	2243	
CETRALIA ISLANDICA (L.) ARCH.	ICELAND MOSS EXTRACT			COE121
CHAENOMELES SPECIOSA (SWEET) NAKAI	CHAENOMELES SPECIOSA LEAF EXTRACT	2263901-84-2	4932	
CHELIDONIUM MAJUS L.	GREATER CELANDINE EXTRACT			COE122
CHIMAPHILA UMBELLATA NUTT.	PIPSISSEWA LEAVES EXTRACT	89997-56-8	2914	
CHONDRUS CRISPUS (L.) STACKH.	IRISH MOSS EXTRACT	9000-07-1	2596	
CHRYSANTHEMUM MORIFOLIUM RAMAT.	CHRYSANTHEMUM EXTRACT	223748-32-1	4689	
CHRYSANTHEMUM PARTHENIUM (L) BERNH.	CHRYSANTHEMUM PARTHENIUM EXTRACT	89997-65-9	4837	
CHRYSANTHEMUM PARTHENIUM (L) BERNH.	COMMON PELLITORY TINCTURE	89997-65-9		COE382
CICHORIUM INTYBUS L.	CHICORY EXTRACT	68650-43-1	2280	
CINCHONA LEDGERIANA MOENS ET TRIMEN, C. CALISAYA WEDD., OR HYBRIDS OF THESE WITH OTHER CINCHONA SPP.	CINCHONA BARK YELLOW EXTRACT	89997-71-7	2284	
CINCHONA LEDGERIANA MOENS ET TRIMEN, C. SUCCIRUBRA PAVON ET KLOTZSCH OR ITS HYBRIDS, C. CALISAYA WEDD., OR HYBRIDS OF THESE WITH OTHER CINCHONA SPP.	CINCHONA EXTRACT	89997-71-7	2285	
CINCHONA SUCCIRUBRA PAV. OR ITS HYBRIDS	CINCHONA BARK RED EXTRACT	68990-12-5	2282	
CINNAMOMUM CAMPHORA (L.) NEES ET EBERM.	CAMPHOR JAPANESE WHITE OIL	8008-51-3	2231	
CINNAMOMUM CASSIA (L.) J.PRESL	CASSIA OIL	84961-46-6		COE131
CINNAMOMUM CASSIA BLUME	CASSIA BARK EXTRACT	84961-46-6	2257	
CINNAMOMUM CASSIA BLUME	CASSIA BARK OIL	8007-80-5	2258	

Latin Name	Name of NCS	CAS	FEMA	CoE
CINNAMOMUM ZEYLANICUM NEES, C. LOUREIRII BLUME, C. CASSIA BLUME	CINNAMON BARK EXTRACT	84961-46-6	2290	
CINNAMOMUM ZEYLANICUM NEES, C. LOUREIRII BLUME, C. CASSIA BLUME	CINNAMON BARK OIL	8015-91-6	2291	
CINNAMOMUM ZEYLANICUM NEES, C. LOUREIRII BLUME, C. CASSIA BLUME	CINNAMON LEAF OIL	8015-91-6	2292	
CISTUS LADANIFER	LABDANUM ABSOLUTE	8016-26-0	2608	
CISTUS LADANIFER	LABDANUM OIL	8016-26-0	2609	
CISTUS LADANIFER	LABDANUM OLEORESIN	8016-26-0	2610	
CITRULLUS LANATUS (THUNBERG) MANSFELD	GREAT WATER MELON EXTRACT			COE135
CITRUS AURANTIFOLIA (CHRISTMAN) SWINGLE	LIME OIL, DISTILLED	8008-26-2	2631	
CITRUS AURANTIFOLIA (CHRISTMAN) SWINGLE	LIME OIL, TERPENELESS	68916-84-7	2632	
CITRUS AURANTIFOLIA SWINGLE, CITRUS MEDICA VAR. ACIDA, CITRUS LATIFOLIA	LIME TERPENES	68917-71-5	4849	
CITRUS AURANTIFOLIA, CITRUS MEDICA VAR. ACIDA	MEXICAN LIME OIL, EXPRESSED	8008-26-2	4743	
CITRUS AURANTIFOLIA (CHRISTM.) SWINGLE	LIME EXTRACT	8008-26-2		COE141
CITRUS AURANTIUM L.	CURACAO PEEL EXTRACT	94266-47-4	2344	
CITRUS AURANTIUM L.	CURACAO PEEL OIL	94266-47-4	2345	
CITRUS AURANTIUM L.	NEROLI BIGARADE OIL	8016-38-4	2771	
CITRUS AURANTIUM L.	ORANGE BLOSSOMS ABSOLUTE	8030-28-2	2818	
CITRUS AURANTIUM L.	ORANGE LEAF ABSOLUTE	8014-17-3	2820	
CITRUS AURANTIUM L.	ORANGE PEEL BITTER OIL	68916-04-1	2823	
CITRUS AURANTIUM L.	PETITGRAIN OIL	8014-17-3	2855	
CITRUS AURANTIUM L.	PETITGRAIN OIL, TERPENELESS	68915-85-5	4853	
CITRUS AURANTIUM L. SUBSP. BERGAMIA WRIGHT ET AM.	BERGAMOT OIL	8007-75-8	2153	
CITRUS AURANTIUM L. SUBSPECIES CYATHIFERA Y.	DAIDAI PEEL OIL	68916-04-1	3823	
CITRUS CLEMENTINA HORT. EX TAN	ALGERIAN CLEMENTINE OIL	8008-31-9		COE2031a
CITRUS CLEMENTINA HORT. EX TAN	CLEMENTINE EXTRACT	8008-31-9		COE2031a
CITRUS CLEMENTINA HORT. EX TANAKA	CLEMENTINE OIL	8008-31-9	4855	
CITRUS DEPRESSA	SIKUWASYA OIL	2182693-23-6	4859	
CITRUS HASSAKU HORT. EX TANAKA	HASSAKU OIL	2182693-22-5	4858	
CITRUS IYO	IYOKAN OIL	2182692-13-1	4857	
CITRUS JAPONICA THUNB.	KUMQUAT OIL			COE2032
CITRUS JUNOS (SIEB.) C. TANAKA	YUZU OIL	233683-84-6	4862	
CITRUS LATIFOLIA	PERSIAN LIME OIL, EXPRESSED	8008-26-2	4744	
CITRUS LIMON (L.) BURM. F.	LEMON EXTRACT	84929-31-7	2623	
CITRUS LIMON (L.) BURM. F.	LEMON OIL	8008-56-8	2625	
CITRUS LIMON (L.) BURM. F.	LEMON OIL, TERPENELESS	68648-39-5	2626	
CITRUS LIMON (L.) BURM. F.	LEMON TERPENES	68917-33-9	4848	
CITRUS LIMON (L.) BURM. F.	LEMON ESSENCE OIL	8008-56-8	4852	
CITRUS LIMON (L.) OSBECK	LEMON SEED OIL		4976	
CITRUS LIMON L. BURM. F.	PETITGRAIN LEMON OIL	8048-51-9	2853	
CITRUS MEDICA L. VAR. MEDICA	CITRON TREE OIL	68991-25-3		COE2035
CITRUS MEDICA L. VAR. SARCODACTYLIS SWINGLE	SARCODACTYLIS OIL	85085-28-5	3899	
CITRUS NATSUDAIDAI	NATSUMIKAN OIL	91746-00-8	4860	
CITRUS PARADISI MACF.	GRAPEFRUIT OIL	8016-20-4	2530	
CITRUS PARADISI MACF.	NARINGEN EXTRACT	14259-46-2, 10236-47-2	2769	
CITRUS PARADISI MACF.	GRAPEFRUIT ESSENCE OIL	8016-20-4	4846	
CITRUS PARADISI MACF.	GRAPEFRUIT OIL, TERPENELESS	68916-46-1	4847	
CITRUS PARADISI MACF.	GRAPEFRUIT TERPENES	68917-32-8	4851	
CITRUS PARADISI MACF. × CITRUS TANGERINE HORT. EX TANAKA	TANGELO OIL	72869-73-9	4854	
CITRUS PARADISI MACFAD.	GRAPEFRUIT EXTRACT	8016-20-4, 90045-43-5		COE140
CITRUS RETICULATA BLANCO	MANDARIN TERPENES	68953-04-8, 84929-38-4		COE142
CITRUS RETICULATA BLANCO 'MANDARIN'	MANDARIN OIL	8008-31-9	2657	
CITRUS RETICULATA BLANCO 'PONKAN'	PONKAN OIL	8008-31-9	4865	
CITRUS RETICULATA BLANCO 'TANGERINE'	TANGERINE OIL	8016-85-1	3041	
CITRUS RETICULATA BLANCO VAR. MANDARIN	PETITGRAIN MANDARIN OIL	8014-17-3	2854	
CITRUS SINENSIS (L.) OSBECK	ORANGE ESSENCE OIL	68514-75-0	2821	
CITRUS SINENSIS (L.) OSBECK	ORANGE ESSENCE OIL, TERPENELESS	68606-94-0	2822	
CITRUS SINENSIS (L.) OSBECK	ORANGE PEEL SWEET EXTRACT	8028-48-6	2824	
CITRUS SINENSIS (L.) OSBECK	ORANGE PEEL SWEET OIL	8008-57-9	2825	
CITRUS SINENSIS (L.) OSBECK	ORANGE PEEL SWEET OIL, TERPENELESS	68606-94-0	2826	
CITRUS SINENSIS (L.) OSBECK	ORANGE TERPENES	68647-72-3	4850	

Latin Name	Name of NCS	CAS	FEMA	CoE
CITRUS SINENSIS (L.) OSBECK	ORANGE ESSENCE WATER PHASE	8028-48-6	4866	
CITRUS SINENSIS (L.) OSBECK 'BLOOD ORANGE'	BLOOD ORANGE OIL	8008-57-9	4856	
CITRUS SPHAEROCARPA	KABOSU OIL	2182693-25-8	4864	
CITRUS SPP.	CITRUS PEELS EXTRACT	94266-47-4	2318	
CITRUS SUDACHI HORT. EX SHIRAI	SUDACHI OIL	2182693-24-7	4863	
CITRUS UNSHIU	MIKAN OIL	98106-71-9	4861	
CITRUS X MEYERI	MEYER LEMON OIL, COLD PRESSED, CITRUS X MEYERI	1370641-98-7	4770	
CLINOPODIUM VULGARE L.	WILD BASIL OIL			COE526, COE2040, COE3700
COCOS NUCIFERA L.	COCONUT ABSOLUTE	8001-31-8		COE147
COCOS NUCIFERA L.	COCONUT OIL	8001-31-8		COE147
COCOS NUCIFERA L.	COCONUT ALCOHOLATE	8001-31-8		COE147
COCOS NUCIFERA L.	COCONUT EXTRACT	8001-31-8		COE147
COCOS NUCIFERA L.	COCONUT TINCTURE	8001-31-8		COE147
COFFEA CANEPHORA PIERRE EX FROEHNER	COFFEE EXTRACT			COE148A
COFFEA SPECIES	COFFEE EXTRACT	68916-18-7		COE148
COLA ACUMINATA SHOTT ET ENDL.	KOLA NUT EXTRACT	68916-19-8	2607	
COMMIPHORA MOLMOL ENGLER, C. ABYSSINICA (BERG) ENGLER, AND OTHER COMMIPHORA SPP.	MYRRH OIL	8016-37-3	2766	
CONVOLVULUS SCOPARIUS L.	ROSE WOOD TINCTURE			COE152
COPAIFERA OFFICINALIS (JACQ.) L.	COPAIBA OIL	8013-97-6		COE499, COE2043,
COPAIFERA OFFICINALIS (JACQ.) L.	COPAIBA OLEORESIN	8013-97-6, 8001-61-4, 9002-12-8		COE499, COE2043,
COPTIS TEETA WALL.	GOLD THREAD TINCTURE			COE153
CORDYCEPS SINENSIS	CORDYCEPS SINENSIS FERMENTATION PRODUCT	1883732-47-5	4878	
CORIANDRUM SATIVUM L.	CORIANDER SEED OIL	8008-52-4	2334	
CORIANDRUM SATIVUM L.	CORIANDER HERB OIL	8008-52-4		COE154
CORYLUS AVELLANA L.	HAZELNUT TREE OIL	84012-21-5		COE155
CORYLUS AVELLANA L.	HAZELNUT TINCTURE	84012-21-5		COE155
CORYNEBACTERIUM AMMONIAGENES	CORYNEBACTERIUM AMMONIAGENES FERMENTATION PRODUCT		4949	
CORYNEBACTERIUM GLUTAMICUM	CORYNEBACTERIUM GLUTAMICUM CORN SYRUP FERMENTATION PRODUCT		4907	
CORYNEBACTERIUM GLUTAMICUM	CORYNEBACTERIUM GLUTAMICUM CELL FREE FERMENTATION BROTH		4964	
CORYNEBACTERIUM STATIONIS	CORYNEBACTERIUM STATIONIS CORN SYRUP FERMENTATION PRODUCT		4908	
CRATAEGUS OXYACANTHA L.	HAWTHORN EXTRACT			COE156
CROCUS SATIVUS L.	SAFFRON EXTRACT	84604-17-1	2999	
CROTON CASCARILLA BENN., C. ELUTERIA BENN.	CASCARILLA BARK EXTRACT	8007-06-5	2254	
CROTON CASCARILLA BENN., C. ELUTERIA BENN.	CASCARILLA BARK OIL	8007-06-5	2255	
CRYPTOCARYA MASSOIO	MASSOIA BARK OIL	85085-26-3	3747	
CRYPTOCARYA MASSOY (OKEN) KOSTERM.	MASSOIA BARK EXTRACT	85085-26-3		COE2044
CUCUMIS MELO L.	SWEET MELON EXTRACT			COE159
CUCUMIS SATIVUS L.	CUCUMBER EXTRACT	89998-01-6		COE160
CUMINUM CYMINUM L.	CUMIN OIL	8014-13-9	2343	
CUPRESSUS SEMPERVIRENS L.	CYPRESS OIL			COE162
CURCUMA LONGA L.	TURMERIC EXTRACT	8024-37-1	3086	
CURCUMA LONGA L.	TURMERIC OLEORESIN	84775-52-0	3087	
CURCUMA ZEDOARIA (BERG.) ROSC.	ZEDOARY BARK EXTRACT	84961-49-9	3123	
CYDONIA OBLONGA MILL. [C. VULGARIS PERS.]	QUINCE SEED EXTRACT	85117-13-1	2974	
CYMBOPOGON CITRATUS DC., C. FLEXUOSUS STAPF	LEMONGRASS OIL	8007-02-1, 91844-92-7	2624	
CYMBOPOGON MARTINI (ROXB.) STAPF	PALMAROSA OIL	8014-19-5	2831	
CYMBOPOGON NARDUS RENDLE, C. WINTERIANUS JOWITT	CITRONELLA OIL	8000-29-1	2308	
CYNARA CARDUNCULUS L.	CARDOON TINCTURE			COE168
CYNARA SCOLYMUS L.	ARTICHOKE TINCTURE			COE168A, COE565, COE1680, COE2047
CYPHOMANDRA BETACEAE (CHV.) SENDT	TOMATO TREE EXTRACT			COE169
CYTISUS SCOPARIUS LINK.	COMMON BROOM EXTRACT	8023-80-1, 90131-21-8		COE170
DAEMONOROPS SPP. OR OTHER BOTANICAL SOURCES	DRAGON'S BLOOD EXTRACT	9000-19-5	2404	
DAUCUS CAROTA L.	CARROT OIL	8015-88-1	2244	
DAUCUS CAROTA L.	CARROT OLEORESIN	84929-61-3		COE173
DECALEPIS HAMILTONII	DECALEPIS HAMILTONII EXTRACT	853947-36-1	4283	

Latin Name	Name of NCS	CAS	FEMA	CoE
DIANTHUS CARYOPHYLLUS L.	CARNATION ABSOLUTE	8021-43-0, 89958-29-2		COE174
DICTAMNUS ALBUS L.	WHITE DITTANY TINCTURE	89998-27-6		COE175
DICYPELLIUM CARYOPHYLLATUM NEES	CLOVE BARK OIL			COE176
DIOSPYROS KAKI THUNB.	KAKI EXTRACT			COE177
DIPTERIX ODORATA (AUBLET) WILL.	TONQUIN BEAN ABSOLUTE	8024-04-2, 8046-22-8, 90028-06-1		COE178
DIPTERIX ODORATA (AUBLET) WILL.	TONQUIN BEAN TINCTURE	8024-04-2, 8046-22-8, 90028-06-1		COE178
ELAEGNUS ANGUSTIFOLIA L.	OLEASTER EXTRACT	8001-25-0		COE501, COE2050
ELEAGNUS COMMUTATA BERNH. EX RUBD.	SILVERBERRY EXTRACT			COE502, COE2051
ELEAGNUS MULTIFLORA THUNB	GOUMI EXTRACT			COE503
ELEAGNUS MULTIFLORA THUNB VAR MULTIFLORA	GOUMI EXTRACT			COE504, COE2052
ELEAGNUS UMBELLATA THUNB.	AUTOMN OLIVE EXTRACT			COE505, COE2053
ELETTARIA CARDAMOMUM (L.) MATON	CARDAMOM SEED OIL	8000-66-6	2241	
ERICA CINEREA L.	BELL HEATHER EXTRACT	68916-48-3, 90028-36-7, 90028-38-9		COE102A, COE559, COE1020, COE2054
ERIGERON CANADENSIS L.	ERIGERON OIL	8007-27-0	2409	
ERIOBOTRYA JAPONICA	ERIOBOTRYA JAPONICA LEAVES EXTRACT	91770-19-3	4933	
ERIODICTYON CALIFORNICUM (HOOK AND AM) TORR	YERBA SANTA FLUID EXTRACT	68990-14-7	3118	
ERYTHRAEA CENTAURIUM PERS.	SMALL CENTAURY TINCTURE			COE183
ERYTHROXYLUM COCA LAM.	COCA LEAF EXTRACT (DECOCAINIZED)	84775-48-4	2329	
EUCALYPTUS CITRIODORA HOOK.	EUCALYPTUS CITRIODORA OIL	85203-56-1, 286-249-8, 607- 030-9		COE186
EUCALYPTUS DIVERSICOLOR F. V. MUELL.	KARRI OIL			COE2055
EUCALYPTUS GLOBULUS LABILLE	EUCALYPTUS OIL	8000-48-4	2466	
EUCALYPTUS OCCIDENTALIS ENDL.	FLAT TOPPED YATE OIL			COE2056
EUGENIA CARYOPHYLLATA THUNB. (EUGENIA AROMATICA (L.) BAILL. OR SYZYGIIUM AROMATICUM (L.) MERR. ET PERRY)	CLOVE BUD EXTRACT	84961-50-2	2322	
EUGENIA CARYOPHYLLATA THUNB. (EUGENIA AROMATICA (L.) BAILL. OR SYZYGIIUM AROMATICUM (L.) MERR. ET PERRY)	CLOVE BUD OIL	8000-34-8	2323	
EUGENIA CARYOPHYLLATA THUNB. (EUGENIA AROMATICA (L.) BAILL. OR SYZYGIIUM AROMATICUM (L.) MERR. ET PERRY)	CLOVE BUD OLEORESIN	84961-50-2	2324	
EUGENIA CARYOPHYLLATA THUNB. (EUGENIA AROMATICA (L.) BAILL. OR SYZYGIIUM AROMATICUM (L.) MERR. ET PERRY)	CLOVE LEAF OIL	8000-34-8	2325	
EUGENIA CARYOPHYLLATA THUNB. (EUGENIA AROMATICA (L.) BAILL. OR SYZYGIIUM AROMATICUM (L.) MERR. ET PERRY)	CLOVE STEM OIL	8000-34-8	2328	
EUGENIA JAMBOLANA LAM.	JAMBUL EXTRACT			COE442
EUGENIA MALACCENSIS L.	MALAY APPLE EXTRACT			COE189
EUGENIA UNIFLORA L.	BRAZILLIAN CHERRY EXTRACT			COE190
EUPATORIA TRIPLINERVA VAHL.	WHITE SNAKEROOT TINCTURE			COE191
EUPHRASIA OFFICINALIS L.	EYEBRIGHT TINCTURE			COE192
EURYGANIUM SUMBUL	SUMBUL TINCTURE			COE193
EUTERPE OLERACEA MART.	ACAI BERRY EXTRACT	861902-11-6	4547	
EVERNIA PRUNASTRI (L.) ACH., E. FURFURACEA (L.) MANN, AND OTHER LICHENS	OAKMOSS ABSOLUTE	9000-50-4	2795	
FERULA ASSA-FOETIDA L.	ASAFETIDA FLUID EXTRACT	9000-04-8	2106	
FERULA ASSA-FOETIDA L.	ASAFETIDA OIL	9000-04-8	2108	
FERULA CERATOPHYLLA REGEL ET SCHMAL.	GALBANUM OIL			COE2060
FERULA CERATOPHYLLA REGEL ET SCHMAL.	GALBANUM EXTRACT			COE2060
FERULA GALBANIFLUA BOISS. ET BUHSE AND OTHER FERULA SPP.	GALBANUM OIL	8023-91-4	2501	
FERULA RUBRICALIS BOISS.	GUM CALLED ASAFETIDA EXTRACT			COE2061
FERULA RUBRICALIS BOISS.	GUM CALLED ASAFETIDA OIL			COE2061
FICUS CARICA L.	FIG TREE ABSOLUTE	68916-52-9, 90028-74-3		COE198
FICUS CARICA L.	FIG TINCTURE	90028-74-3		COE198
FILIPENDULA ULMARIA (L.) MAXIM. [SYN: SPIRAEA ULMARIA L.]	MEADOSWEET TINCTURE			COE199A

Latin Name	Name of NCS	CAS	FEMA	CoE
FOENICULUM VULGARE MILL.	BITTER FENNEL OIL	8006-84-6, 84625-39-8		COE201, COE201A
FOENICULUM VULGARE MILL.	BITTER FENNEL OLEORESIN	8006-84-6, 92623-75-1		COE201, COE201A
FOENICULUM VULGARE MILL. VAR. DULCE (DC.) ALEF.	FENNEL, SWEET, OIL	8006-84-6	2483	
FOMES OFFICINALIS (VILL. FR.) AMES	LARCH AGARIC EXTRACT			COE527, COE2061A, COE2069
FRAGARIA VESCA L.	WILD STRAWBERRY EXTRACT			COE203
FRAGARIA VIRGINIANA	STRAWBERRY EXTRACT	90131-36-5, 1175540-74-5		COE202
FRAXINUS EXCELSIOR L.	COMMON ASH TINCTURE			COE204
FUCUS VESICULOSUS L.	BLADDER WRACK EXTRACT	68917-51-1, 84696-13-9		COE206
FUMARIA OFFICINALIS L.	FUMITORY TINCTURE			COE207
GALEOPSIS OCHROLEUCA LAM.	HOLLOW TOOTH HERB TINCTURE			COE208
GALIPEA OFFICINALIS HANCOCK	ANGOSTURA EXTRACT	91697-93-7	2092	
GALLUS GALLUS VAR. DOMESTICUS	EGG EXTRACT EXTRACT			COEIII (egg)
GARCINIA MANGOSTANA L.	MANGOSTEEN DISTILLATE	90045-25-3	4757	
GARDENIA AUGUSTA MERR.	GARDENIA TINCTURE			COE210
GARDENIA GUMMIFERA L.F.	GARDENIA GUMMIFERA DISTILLATE	853947-47-4	4265	
GAULTHERIA PROCUMBENS L.	WINTERGREEN EXTRACT	90045-28-6	3112	
GAULTHERIA PROCUMBENS L.	WINTERGREEN OIL	68917-75-9	3113	
GENTIANA ACAULIS L.	DWARF GENTIAN TINCTURE			COE213
GENTIANA LUTEA L.	GENTIAN ROOT EXTRACT	72968-42-4	2506	
GLECHOMA HEDERACEA L.	IVY TINCTURE			COE216
GLYCINE MAX (L.) MERR.	REFINED SOYBEAN OIL EXTRACT	8001-22-7	4919	
GLYCINE MAX (L.) MERR.	SOYA; SOYA BEAN FIXED OIL BY COLD EXPRESSION	8001-22-7		COE217
GLYCYRRHIZA GLABRA L.	LICORICE EXTRACT POWDER	68916-91-6	2629	
GLYCYRRHIZA GLABRA L. AND OTHER GLYCYRRHIZA SPP.	GLYCYRRHIZIN, AMMONIATED	53956-04-0	2528	
GLYCYRRHIZA GLABRA L. AND OTHER GLYCYRRHIZA SPP.	LICORICE EXTRACT	68916-91-6	2628	
GNAPHALLIUM DIOICUM L.	CAT'S FOOT TINCTURE			COE219
GUAIAACUM OFFICINALE L. / GUAIAACUM SANCTUM L.	MODIFIED GUAIAAC WOOD EXTRACT	2247239-04-7	4942	
GUAIAACUM OFFICINALE L., G. SANCTUM L.	GUAIAAC GUM EXTRACT	8052-39-9	2531	
GUAIAACUM OFFICINALE L.; G. SANCTUM L.; BULNESIA SARMIENTI LORENTZ	GUAIAAC WOOD EXTRACT	84650-13-5	2533	
GUAIAACUM OFFICINALE L.; G. SANCTUM L.; BULNESIA SARMIENTI LORENTZ	GUAIAAC WOOD OIL	8016-23-7	2534	
HAEMATOKYLON CAMPECHIANUM L.	PEACH WOOD EXTRACT			COE221
HAMAMELIS VIRGINIANA L.	WINTER BLOOM DISTILLATE			COE222
HEDEOMA PULEGIOIDES (L.) VAR. PERS. (AMERICAN), MENTHA PULEGIUM L. VAR. ERIANTHA (EUROPEAN, N. AFRICAN)	PENNYROYAL OIL	8007-44-1, 8013-99-8	2839	
HEDEOMA PULEGIOIDES L. PERS.	PENNYROYAL OIL	8007-44-1, 90045-53-7		COE223
HEDYCHIUM FLAVUM	LONGOSE EXTRACT			COE224
HELIANTHUS ANUUS L.	SUNFLOWER FIXED OIL BY COLD EXPRESSION	8001-21-6		COE2063
HELICHRYSUM ANGUSTIFOLIUM DC.	IMMORTELLE EXTRACT	8023-95-8, 90045-56-0	2592	
HELICHRYSUM ARENARIUM MOENCH.	EVERLASTING FLOWER ABSOLUTE	8023-95-8, 85665-35-6, 90045-56-0		COE225
HELICHRYSUM ARENARIUM MOENCH.	EVERLASTING FLOWER OIL	8023-95-8, 85665-35-6, 90045-56-0		COE225
HELIOPSIS LONGIPES S.F. BLAKE	HELIOPSIS LONGIPES EXTRACT	792933-14-3	4220	
HERNIARIA GLABRA L.	RUPTUREWORT TINCTURE			COE227
HIBISCUS ABELMOSCHUS L.	AMBRETTE ABSOLUTE OIL	84455-19-6	2050	
HIBISCUS ABELMOSCHUS L.	AMBRETTE SEED OIL	8015-62-1	2051	
HIBISCUS ABELMOSCHUS L.	AMBRETTE TINCTURE	84455-19-6	2052	
HIBISCUS ESCULENTUS L.	LADIES' FINGERS PLANT FIXED OIL BY COLD EXPRESSION			COE228
HIBISCUS SABDARIFFA L.	HIBISCUS BLOSSOM EXTRACT	84775-96-2	4912	
HIBISCUS SABDARIFFA L.	ROSELLE TINCTURE	84775-96-2		COE229
HIEROCHLOE ODORATA (L.) BEAUV.	HOLY GRASS EXTRACT			COE230
HIEROCHLOE ODORATA (L.) BEAUV.	HOLY GRASS OIL			COE230
HIPPOPHAE RHAMNOIDES L.	SEA BUCKTHORN EXTRACT			COE231
HIPPOPHAE RHAMNOIDES L.	SEA BUCKTHORN TINCTURE			COE231
HIPPOPHAE RHAMNOIDES L. SUPERCRITICAL	SEA BUCKTHORN SUPERCRITICAL EXTRACT			COE231

Latin Name	Name of NCS	CAS	FEMA	CoE
HORDEUM VULGARE L.	BARLEY EXTRACT			COE232
HUMULUS LUPULUS L.	HOPS EXTRACT	8060-28-4	2578	
HUMULUS LUPULUS L.	HOPS EXTRACT SOLID	8060-28-4	2579	
HUMULUS LUPULUS L.	HOPS OIL	8007-04-3	2580	
HYBRIDS BETWEEN LAVANDULA OFFICINALIS CHAIX AND L. LATIFOLIA VILL.	LAVANDIN OIL	8022-15-9	2618	
HYDRANGAEA MACROPHYLLA (THUNB.) SER.	AMACHA LEAVES EXTRACT	97722-03-7	4737	
HYPERICUM PERFORATUM L.	ST. JOHN'S WORT TINCTURE			COE234
HYSSOPUS OFFICINALIS L.	HYSSOP EXTRACT	84603-66-7	2590	
HYSSOPUS OFFICINALIS L.	HYSSOP OIL	8006-83-5	2591	
ILEX PARAGUARIENSIS A.ST.-HIL.	YERBA MATE EXTRACT	73296-98-7; 68916-96-1	4969	
ILEX PARAGUARIENSIS ST. HILAIRE	MATE ABSOLUTE	68916-96-1, 73296-98-7		COE237
ILLICIAM VERUM HOOK, F.	ANISE, STAR, OIL	68952-43-2, 84650-59-9	2096	
INDIGOFERA TINCTORIA L.	TRUE INDIGO TINCTURE			COE532, COE2064
INULA DYSENTERICA	COMMON FLEABANE TINCTURE			COE239
INULA HELENIUM L.	ELECAMPANE TINCTURE	97676-35-2		COE240
IRIS FLORENTINA L.	ORRIS CONCRETE LIQUID OIL	8002-73-1	2829	
IRIS FLORENTINA L.	ORRIS ROOT EXTRACT	8002-73-1	2830	
IRIS FOETIDISSIMA L.	STINKING IRRIS GLADDON TINCTURE			COE242
IRIS GERMANICA L.	GERMAN FLAG TINCTURE	1048028-77-8, 85085-39-8, 90045-89-9		COE243
IRIS GERMANICA L.	ORRIS OIL	1048028-77-8, 85085-39-8, 90045-89-9		COE243
IRIS PALLIDA LAM.	PALE FLAG TINCTURE	8002-73-1, 90045-90-2		COE244
JASMINUM GRANDIFLORUM L.	JASMINE ABSOLUTE	84776-64-7	2598	
JASMINUM GRANDIFLORUM L.	JASMINE CONCRETE	84776-64-7	2599	
JASMINUM GRANDIFLORUM L.	JASMINE OIL	8022-96-6	2600	
JASMINUM GRANDIFLORUM L.	JASMINE SPIRITUS	84776-64-7	2601	
JASMINUM OFFICINALE L.	WHITE JASMIN TINCTURE	8024-43-9, 90045-94-6		COE246
JATEORHIZA PALMATA (LAM.) MIERS	COLOMBO TINCTURE			COE247
JUGLANS NIGRA L., J. REGIA L.	WALNUT HULL EXTRACT	84012-43-1	3111	
JUGLANS VIRGINIANA	JUGLANS VIRGINIANA EXTRACT			COE507, COE2065
JUGLANS VIRGINIANA	JUGLANS VIRGINIANA FIXED OIL BY COLD EXPRESSION			COE507, COE2065
JUGLANS VIRGINIANA	JUGLANS VIRGINIANA TINCTURE			COE507, COE2065
JUNIPERUS COMMUNIS L.	JUNIPER EXTRACT	84603-69-0	2603	
JUNIPERUS COMMUNIS L.	JUNIPER OIL	8002-68-4	2604	
JUNIPERUS MEXICANA SPRENG	CEDARWOOD OIL, TEXAS	68990-83-0, 91722-61-1		COE2066
JUNIPERUS OXYCEDRUS L.	CADE OIL	8013-10-3, 90046-02-9		COE250
JUNIPERUS PROCERA HOCHST. HOCHSTTER EX ENDL.	CEDARWOOD EAST AFRICAN OIL			COE251
JUNIPERUS VIRGINIANA L.	RED CEDAR OIL	8000-27-9, 85085-41-2		COE252
KRAMERIA TRIANDRA RUIZ ET PAVON, K. ARGENTEA MARTIUS	RHATANY EXTRACT	84775-95-1	2979	
LARIX DECIDUA MILL.	COMMON LARCH OIL			COE534, COE2070
LARREA TRIDENTATA (SESSE & MOC EX DC.) COVILLE	CREOSOTE BUSH TINCTURE			COE254
LAURUS NOBILIS L.	BAY, SWEET, OIL	8007-48-5	2125	
LAURUS NOBILIS L.	LAUREL LEAVES EXTRACT	84603-73-6	2613	
LAVANDULA LATIFOLIA VILL. (L. SPICA DC.)	SPIKE LAVENDER OIL	8016-78-2	3033	
LAVANDULA OFFICINALIS CHAIX	LAVENDER ABSOLUTE	84776-65-8	2620	
LAVANDULA OFFICINALIS CHAIX	LAVENDER CONCRETE	84776-65-8	2621	
LAVANDULA OFFICINALIS CHAIX	LAVENDER OIL	8000-28-0	2622	
LAVANDULA STOECHAS L.	ROMAN LAVENDER OIL			COE258
LAWSONIA ALBA LAM.	HENNA TINCTURE			COE259
LEPIDIUM MEYENII WALP.	LEPIDIUM MEYENII ROOT EXTRACT		4962	
LEPTOSPERMUM CITRATUM FORST	TEA-TREE OIL			COE260
LEVISTICUM OFFICINALE KOCH	LOVAGE EXTRACT	8016-31-7	2650	
LEVISTICUM OFFICINALE KOCH	LOVAGE OIL	8016-31-7	2651	

Latin Name	Name of NCS	CAS	FEMA	CoE
LIATRIS ODORATISSIMA WILLD.	DEERTONGUE ABSOLUTE	68606-82-6, 68602-86-8		COE262
LIGUSTICUM MUTELLINA (L.) CRANTZ	MOUNTAIN LOVAGE TINCTURE			COE2074C
LINUM USITATISSIMUM L.	LINSEED FIXED OIL BY COLD EXPRESSION	8001-26-1		COE263
LIQUIDAMBAR ORIENTALIS MILL., L. STYRACIFLUA L.	STYRAX EXTRACT	8046-19-3	3037	
LITCHI CHINENSIS RADL.	LITCHI EXTRACT			COE304
LITSEA CUBEBA PERS.	LITSEA CUBEBA BERRY OIL	68855-99-2	3846	
LOBARIA PULMONARIA (L.) HOFFM.	LUNGWORT LICHEN TINCTURE			COE438
LONICERA CAPRIFOLIUM L.	HONEYSUCKLE	8023-93-6, 84603-62-3		COE266
LONICERA JAPONICA THUNB.	HONEYSUCKLE EXTRACT	223749-79-9	4690	
LYCOPERSICUM ESCULENTUM MILL.	TOMATO EXTRACT			COE267
MACROCYSTIS PYRIFERA	GIANT KELP EXTRACT			COE2072
MAJORANA HORTENSIS MOENCH; ORIGANUM MAJORANA L.	MARJORAM OLEORESIN	84082-58-6	2659	
MAJORANA HORTENSIS MOENCH; ORIGANUM MAJORANA L.	MARJORAM OIL SWEET	8015-01-8	2663	
MALLOTUS PHILIPENSIS (LAM.) MUELL. ARG.	KAMALA TREE TINCTURE			COE535, COE2073
MALUS SYLVESTRIS MILL. VAR. DOMESTICA (BORKHAUSEN) MANSFELD	APPLE TREE EXTRACT	8008-31-9		COE386
MALVA SILVESTRIS L.	MALLOW TINCTURE			COE268
MAMMEE AMERICANA L.	MAMMEE TREE TINCTURE			COE269
MANGIFERA INDICA L.	MANGO TREE EXTRACT	90063-86-8		COE270
MANILKARA ZAPOTA (L.) ROYEN	SAPODILLA PLUM EXTRACT	8021-77-0, 85085-69-4		COE423
MARRUBIUM VULGARE L.	HOREHOUND (HOARHOUND) EXTRACT	84696-20-8	2581	
MARSDENIA CONDURANGO REHB.	KONDURANGO TINCTURE			COE272
MATRICARIA CHAMOMILLA L.	CHAMOMILE FLOWER HUNGARIAN OIL	8002-66-2	2273	
MEDICAGO SATIVA L.	ALFALFA EXTRACT	84082-36-0	2013	
MELALEUCA ALTERNIFOLIA	TEA TREE OIL	68647-73-4	3902	
MELALEUCA LEUCADENDRON L.	CAJEPUT OIL	8008-98-8	2225	
MELALEUCA LINARIIFOLIA SMITH	TEA-TREE OIL			COE277
MELILOTUS COERULEA DES.	SWEET TREFOIL TINCTURE			COE278
MELILOTUS OFFICINALIS (L.) LAM.	CLOVER HERB DISTILLATE	84082-81-5	4727	
MELISSA OFFICINALIS L.	BALM LEAVES EXTRACT	84082-61-1	2112	
MELISSA OFFICINALIS L.	BALM OIL	8014-71-9	2113	
MELITTIS MELISSOPHYLLUM L.	BASTARD BALM TINCTURE			COE281
MENTHA AQUATICA L.	WATERMINT, MENTHA AQUATICA L., EXTRACT	90063-96-0	4873	
MENTHA ARVENSIS L.	CORNMINT OIL	68917-18-0	4219	
MENTHA CARDIACA L.	SCOTCH SPEARMINT OIL	91770-24-0	4221	
MENTHA PIPERITA L.	PEPPERMINT OIL	8006-90-4	2848	
MENTHA PIPERITA L.	PEPPERMINT OIL TERPENELESS	68606-97-3	4924	
MENTHA PIPERITA L.	PEPPERMINT OIL, TERPENES	68608-37-7		COE282
MENTHA SILVESTRIS L.	MENTHA LONGIFOLIA OIL	90063-99-3	4756	
MENTHA SPICATA 'EROSPICATA'	EROSPICATA OIL	1563063-07-9	4777	
MENTHA SPICATA L.	SPEARMINT EXTRACT	84696-51-5	3031	
MENTHA SPICATA L.	SPEARMINT OIL	8008-79-5	3032	
MENTHA SPICATA L.	SPEARMINT OIL TERPENELESS	68917-46-4	4925	
MENTHA SPICATA VAR. CRISPA	CURLY MINT OIL	98561-44-5	4778	
MENTHA X GRACILIS	GINGER MINT OIL	1505459-14-2	4811	
MENYANTHES TRIFOLIATA L.	BUCKBEAN TINCTURE			COE287
MESPILUS GERMANICA L.	MEDLAR TREE EXTRACT			COE288
MEUM ATHAMANTICUM JACQ.	BLADMONEY TINCTURE			COE510, COE2075
MICHELIA ALBA D.C.	MICHELIA ALBA OIL	92457-18-6	3950	
MICHELIA CHAMPACA L.	CHAMPAC ABSOLUTE	8006-76-6, 92457-18-6		COE289
MONARDA SPP.	HORSEMINT LEAVES EXTRACT	8006-85-7	2582	
MONODORA MYRISTICA DUN.	JAMAICA NUTMEG OIL			COE291
MORUS ALBA L.	MULBERRY TREE EXTRACT, WHITE AND BLACK			COE292, COE292a
MORUS INDICA L.	EASTERN MULBERRY EXTRACT			COE293
MOSCHUS MOSCHIFERUS L.	MUSK TONQUIN	8001-04-5	2759	
MURRAYA KOENIGII (L.) SPRENG.	INDIAN CURRY LEAF TREE OIL	876068-15-4		COE520, COE2076
MURRAYA KOENIGII (L.) SPRENG.	INDIAN CURRY LEAF TREE TINCTURE	876068-15-4		COE520, COE2076
MUSA SPECIES	BANANA EXTRACT			COE294
MYOSOTIS PALUSTRIS LAM.	FORGET-ME-NOT EXTRACT			COE295
MYRICA GALE L.	SWEET GALE OIL			COE549, COE2077
MYRICA GALE L.	SWEET GALE TINCTURE			COE549, COE2077
MYRISTICA FRAGRANS HOUTT.	MACE OIL	8007-12-3	2653	

Latin Name	Name of NCS	CAS	FEMA	CoE
MYRISTICA FRAGRANS HOUTT.	MACE OLEORESIN	8007-12-3	2654	
MYRISTICA FRAGRANS HOUTT.	NUTMEG OIL	8008-45-5	2793	
MYROXYLON BALSAMUM L. HARMS (M. TOLUIFERUM HBK)	TOLU BALSAM EXTRACT	9000-64-0	3069	
MYROXYLON PEREIRAE KLOTZSCH	BALSAM OIL, PERU	8007-00-9	2117	
MYRRHIS ODORATA (L.) SCOP.	SWEET CHERVIL TINCTURE			COE299
MYRTUS COMMUNIS L.	MYRTLE OIL	8008-46-6, 84082-67-7		COE300
NARCISSUS JONQUILLA L.	DAFFODIL ABSOLUTE	8013-86-3, 84696-07-1		COE2079
NARCISSUS POETICUS L.	NARCISSUS ABSOLUTE	68917-12-4, 90064-26-9		COE2080
NARCISSUS TAZETTA L.	CREAM NARCISSUS ABSOLUTE			COE2081
NASTURTIUM OFFICINALE L.	WATERCRESS EXTRACT	68917-72-6, 84775-70-2		COE301
NEPETA CATARIA L.	CATMINT OIL	8023-84-5, 84929-35-1		COE302
NEPHELIUM LAPPACEUM L.	RAMBOUTAN EXTRACT			COE303
NEPHELIUM LONGANUM CAMBESS	LONGANE EXTRACT			COE305
NICOTIANA TABACUM L. NICOTINE	COMMON TOBACCO NICOTINE-FREE ESSENTIAL OIL	73138-76-8, 84961-66-0		COE512, COE2083
NIGELLA DAMASCENA L.	LOVE-IN-A-MIST OIL	73507-35-4, 90064-31-6		COE306
OCIMUM BASILICUM L.	BASIL OIL	8015-73-4	2119	
OCIMUM BASILICUM L.	BASIL OLEORESIN	84775-71-3	2120	
OLEA EUROPAEA L.	OLIVE FRUIT EXTRACT	8001-25-0	4801	
OLEA EUROPAEA L.	OLIVE TREE EXTRACT	8001-25-0		COE309
OLEA EUROPAEA L.	OLIVE TREE FIXED OIL BY COLD EXPRESSION	8001-25-1		COE309
OLEANTHUS GAMWELLIAE	NINDI OIL			COE310
ONICUS BENEDICTUS L.	HOLY THISTLE TINCTURE			COE144
ONONIS ARVENSIS L.	COMMON RESTHARROW TINCTURE			COE311
OPOPANAX CHIRONIUM KOCH.	OPOPANAX ABSOLUTE	8021-36-1, 100084-96-6, 9000-78-6, 93384-32-8		COE313, COE2042
OPOPANAX CHIRONIUM KOCH.	OPOPANAX OIL	8021-36-1, 100084-96-6, 9000-78-6, 93384-32-8		COE313, COE2042
OPOPANAX CHIRONIUM KOCH.	OPOPANAX TINCTURE	8021-36-1, 100084-96-6, 9000-78-6, 93384-32-8		COE313, COE2042
ORIGANUM CRETICUM L.	SPANISH MARJORAM TINCTURE			COE314
OSMANTHUS FRAGRANS LOUR.	OSMANTHUS ABSOLUTE	92347-21-2	3750	
PANDANUS AMARYLLIFOLIUS ROXB.	PANDAN LEAF DISTILLATE EXTRACT		4963	
PANDANUS LATIFOLIUS HASSK.	PANDANUS TINCTURE			COE2088
PAPAVER RHOEAS L.	RED POPPY FIXED OIL BY COLD EXPRESSION			COE319
PASSIFLORA EDULIS SIMS.	PASSION FLOWER ABSOLUTE	854535-37-8, 91770-48-8		COE321, COE2809
PASSIFLORA EDULIS SIMS.	PASSION FLOWER FIXED OIL BY COLD EXPRESSION	854535-37-8, 91770-48-8		COE321, COE2809
PASSIFLORA EDULIS SIMS.	PASSION FRUIT VOLATILE CONCENTRATE	91770-48-8		COE321
PASSIFLORA EDULIS SIMS.	PASSION FRUIT TINCTURE	91770-48-8		COE321
PASSIFLORA EDULIS SIMS.	PASSION FLOWER FRUIT DISTILLATE	854535-37-8, 91770-48-8		COE321, COE2809
PASTINACA SATIVA L.	PARSNIP OIL	68917-22-6, 90082-39-6		COE322
PELARGONIUM GRAVEOLENS L'HER	GERANIUM ROSE OIL	8000-46-2	2508	
PERILLA FRUTESCENS L.	PERILLA LEAF OIL	68132-21-8	4013	
PERSEA AMERICANA MILL.	AVOCADO FIXED OIL BY COLD EXPRESSION			COE325
PERSEA AMERICANA MILL.	PERSEA AMERICANA OIL HYDROLYZED FRACTION	1039550-44-1	4991	
PERSICARIA ODORATA	PERSICARIA ODORATA OIL	444085-42-1	4736	
PETROSELINUM CRISPUM (MILLER) NYMAN (P. SATIVUM HOFFM.)	PARSLEY OIL	8000-68-8	2836	
PETROSELINUM CRISPUM (MILLER) NYMAN (P. SATIVUM HOFFM.)	PARSLEY OLEORESIN	84012-33-9	2837	
PEUCEDANUM OSTRUTHIUM KOCH.	IMPERATORIA TINCTURE			COE327

Latin Name	Name of NCS	CAS	FEMA	CoE
PEUMUS BOLDUS MOLINA	BOLDO TREE OIL	8022-81-9, 84649-96-7		COE328
PHASEOLUS MUNGO L.	MUNG BEAN EXTRACT			COE537, COE2058
PHASEOLUS VULGARIS L.	COMMON BEAN EXTRACT			COE538, COE2059
PHOENIX DACTYLIFERA L.	DATE PALM EXTRACT			COE329
PHYLLANTHUS EMBLICA L.	EMBLICA OFFICINALIS FRUIT EXTRACT		4955	
PHYSALIS ALKEKENGI L.	STRAWBERRY TOMATO EXTRACT			COE528, COE567, COE2091, COE3290
PHYSALIS PERUVIANA L.	CAPE GOOSEBERRY EXTRACT			COE330
PHYSETER MACROCEPHALUS L.	AMBERGRIS TINCTURE	8038-65-1	2049	
PICEA EXCELSA LINK.	BLUE PINE OIL	91770-69-3, 91722-18-8		COE331
PICRAMNIA ANTIDESMA SW.	WEST INDIAN CASCARA TINCTURE			COE333
PICRAMNIA EXCELSA (SW.) PLANCH., QUASSIA AMARA L.	QUASSIA EXTRACT	68915-32-2	2971	
PIMENTA ACRIS KOSTEL; P. RACEMOSA	BAY LEAVES WEST INDIAN EXTRACT	91721-75-4	2121	
PIMENTA ACRIS KOSTEL; P. RACEMOSA	BAY LEAVES WEST INDIAN OIL	8006-78-8	2122	
PIMENTA ACRIS KOSTEL; P. RACEMOSA	BAY LEAVES WEST INDIAN OLEORESIN	85085-61-6	2123	
PIMENTA OFFICINALIS LINDL.	ALLSPICE OIL	8006-77-7	2018	
PIMENTA OFFICINALIS LINDL.	ALLSPICE OLEORESIN	8006-77-7	2019	
PIMENTA OFFICINALIS LINDL.	PIMENTA LEAF OIL	8006-77-7	2901	
PIMPINELLA ANISUM L.	ANISE OIL	8007-70-3, 84775-42-8	2094	
PIMPINELLA SAXIFRAGA L.	BURNET-SAXIFRAGE TINCTURE			COE337
PINUS LARICIO POIR.	BLACK PINE OIL			COE338
PINUS MUGO TURRA VAR. PUMILIO (HAENKE) ZENARI	PINE NEEDLE DWARF OIL	8000-26-8	2904	
PINUS PALUSTRIS MILL. AND OTHER PINUS SPP.	PINE TAR OIL	97435-14-8	2907	
PINUS PALUSTRIS MILL. AND OTHER PINUS SPP.	TURPENTINE STEAM DISTILLED	8006-64-2	3089	
PINUS STROBUS L.	WHITE PINE OIL			COE342
PINUS SUCCINIFERA CONEV.	BALTIC AMBER OIL			COE343
PINUS SYLVESTRIS L.	PINE SCOTCH OIL	8023-99-2	2906	
PIPER ANGUSTIFOLIUM RUIZ. & PAV.	MATICO EXTRACT			COE344
PIPER CUBEBA L. F.	CUBEBS OIL	8007-87-2	2339	
PIPER LONGUM L.	PIPER LONGUM DISTILLATE	90082-60-3	4266	
PIPER NIGRUM L.	PEPPER BLACK OIL	8006-82-4	2845	
PIPER NIGRUM L.	PEPPER BLACK OLEORESIN	84929-41-9	2846	
PIPER NIGRUM L.	PEPPER WHITE OIL	8006-82-4	2851	
PIPER NIGRUM L.	PEPPER WHITE OLEORESIN	84929-41-9	2852	
PIPER NIGRUM L.	BLACK PEPPER CO2 EXTRACT	84929-41-9, 8006-82-4		COE347
PIPER NIGRUM L.	BLACK PEPPER TINCTURE	84929-41-9, 8006-82-4		COE347
PISTACIA LENTISCUS L.	MASTIC TREE ABSOLUTE	68991-39-9, 61789-92-2, 90082-82-9		COE349
PISTACIA LENTISCUS L.	MASTIC TREE ESSENTIAL OIL	68991-39-9, 61789-92-2, 90082-82-9		COE349
PISTACIA TEREBINTHUS L.	TURPENTINE OLEORESIN			COE350
PISTACIA TEREBINTHUS L.	TURPENTINE ESSENTIAL OIL			COE350
PISTACIA VERA L.	PISTACHIO FIXED OIL BY COLD EXPRESSION			COE351
PLANTAGO LANCEOLATA L.	SMALL PLANTAIN TINCTURE			COE352
POGOSTEMON CABLIN BENTH. AND P. HEYNEANUS BENTH.	PATCHOULY OIL	8014-09-3	2838	
POLIANTHES TUBEROSA L.	TUBEROSE OIL	8024-05-3	3084	
POLYGALA SENEGA L.	SENEGA ROOT EXTRACT			COE355
POLYGONUM AVICULARE L.	KNOTWEED TINCTURE			COE515, COE2093
POLYGONUM BISTORTA L.S.L.	BISTORT EXTRACT			COE356
POLYGONUM DUMETORUM L.	DESERT-KNOT GRASS TINCTURE			COE357
POLYPORUS OFFICINALIS FRIES	WHITE AGARIC EXTRACT			COE359
POPULUS ALBA L.	WHITE POPLAR OIL			COE360
POPULUS NIGRA L.	BLACK POPLAR	921202-04-2, 84650-39-5		COE361
POTENTILLA ERECTA (L.) RAEUSCH.	TORMENTIL TINCTURE			COE493
PRANGOS ASPERULA BOISS.	HAY OIL			COE363
PRANGOS ASPERULA BOISS.	HAY TINCTURE			COE363
PRIMULA ELATIOR L.	COWSLIP EXTRACT			COE364, COE2095
PROSOPIS CINERARIA (L.) DRUCE	MESQUITE WOOD EXTRACT	93165-66-3	3942	
PRUNELLA VULGARIS L.	SELF-HEAL TINCTURE			COE365

Latin Name	Name of NCS	CAS	FEMA	CoE
PRUNUS AMYGDALUS BATSCH VAR. AMARA (DC.) FOCKE	ALMONDS BITTER OIL (FFPA)	8013-76-1	2046	
PRUNUS AMYGDALUS BATSCH. V. DULCIS	SWEET ALMOND TINCTURE	8007-69-0, 90320-37-9		COE367
PRUNUS ARMENIACA L.	APRICOT KERNEL OIL	72869-69-3	2105	
PRUNUS ARMENIACA L.	APRICOT TINCTURE	68650-44-2		COE368
PRUNUS AVIUM L., P. CERASUS L.	CHERRY PITS EXTRACT	89997-54-6	2278	
PRUNUS CERASUS L.	CHERRY ALCOHOLATE	89997-54-6		COE370
PRUNUS CERASUS L.	CHERRY VOLATILE CONCENTRATE	89997-54-6		COE370
PRUNUS DOMESTICA L.	PLUM EXTRACT			COE371
PRUNUS INSITITIA L.	DAMSON EXTRACT			COE373
PRUNUS LAUROCERASUS L.	CHERRY LAUREL OIL (FFPA)	8000-44-0	2277	
PRUNUS PERSYCA (L.) BATSCH. VAR. PERSICA	PEACH EXTRACT	1429493-82-2, 84012-34-0		COE374
PRUNUS PERSYCA (L.) BATSCH. VAR. PERSICA	PEACH OIL	1429493-82-2, 84012-34-0		COE374
PRUNUS SEROTINA EHRH.	CHERRY BARK WILD EXTRACT	84604-07-9	2276	
PRUNUS SPINOSA L.	SLOE BERRIES EXTRACT	90105-94-5	3021	
PRUNUS SPINOSA L.	SLOE BERRIES EXTRACT SOLID	90105-94-5	3022	
PSALLIOTA HORTENSIS	MUSHROOM EXTRACT			COE2097
PSIDIUM GUAJAVA L.	GUAVA EXTRACT	1048028-77-8, 85085-39-8, 90045-89-9		COE377
PTEROCARPUS SANTALINUS L.F.	RED SANDALWOOD TREE OIL			COE379
PULMONARIA OFFICINALIS L.	LUNGWORT TINCTURE			COE380
PUNICA GRANATUM L.	POMEGRANATE BARK EXTRACT	84961-57-9	2918	
PUNICA GRANATUM L.	POMEGRANATE VOLATILE CONCENTRATE	84961-57-9		COE381
PYRUS COMMUNIS L.	PEAR TREE EXTRACT	90082-43-2		COE384
PYRUS DOMESTICA GAERNT.	WHITTY PEAR EXTRACT			COE385
QUERCUS ALBA L.	OAK CHIPS EXTRACT	68917-11-3	2794	
QUERCUS ILEX L.	HOLM OAK EXTRACT			COE389
QUERCUS ROBUR L.	COMMON RED OAK EXTRACT	97676-30-7, 71011-28-4		COE390
RAPHANUS SATIVUS L.	WINTER RADISH FIXED OIL BY COLD EXPRESSION			COE392
RAPHANUS SATIVUS L.	WINTER RADISH OIL			COE392
RHAMNUS CATHARTICA L.	BUCKTHORN EXTRACT			COE393
RHAMNUS FRANGULA L.	ALDER BUCKTHORN EXTRACT			COE394
RHAMNUS PURSHIANA DC.	CASCARA BITTERLESS EXTRACT	8007-06-5	2253	
RHEUM OFFICINALE BAILL.	MEDICINAL RHUBARB EXTRACT			COE396A, COE569, COE2098, COE3960
RHEUM PALMATUM L.	CHINESE RHUBARB EXTRACT			COE396
RHEUM RHAPONTICUM L.	GARDEN RHUBARB EXTRACT			COE397
RIBES NIGRUM L.	CURRENT BUDS BLACK ABSOLUTE	68606-81-5, 97676-19-2	2346	
RIBES NIGRUM L.	CASSIS BUDS TINCTURE	68606-81-5, 97676-19-2		COE399
RIBES RUBRUM L.	CURRENT BERRY EXTRACT			COE400
RIBES UVA-CRISPA L. VAR. SATIVUM D.C.	GOOSEBERRY EXTRACT			COE398
RICINUS COMMUNIS L.	CASTOR OIL	8001-79-4	2263	
ROSA ALBA L., R. CENTIFOLIA L. AND VARS. OF THESE SPP.	ROSE ABSOLUTE	8007-01-0	2988	
ROSA CANINA L.	WILD DOG ROSE EXTRACT	8007-01-0, 84696-47-9		COE403
ROSA CANINA L., R. GALLICA L., R. CONDITA SCOP., R. RUGOSA THUNB., AND OTHER ROSA SPP.	ROSE HIPS EXTRACT	8007-01-0	2990	
ROSA CENTIFOLIA L.	ROSE WATER, STRONGER	84604-12-6	2993	
ROSA DAMASCENA MILL.	ROSE BULGARIAN TRUE OTTO OIL	8007-01-0	2989	
ROSMARINUS OFFICINALIS L.	ROSEMARY OIL	8000-25-7	2992	
ROSMARINUS OFFICINALIS L.	ROSEMARY OLEORESIN	308083-85-4	4705	
RUBUS FRUTICOSUS L.	BLACK BERRY TINCTURE	84787-69-9		COE408
RUBUS FRUTICOSUS L.	BLACK BERRY VOLATILE CONCENTRATE	84787-69-9		COE408
RUBUS IDAEUS L.	RASPBERRY EXTRACT	72379-31-8, 84929-76-0		COE409
RUBUS IDAEUS L.	RASPBERRY TINCTURE	72379-31-8, 84929-76-0		COE409
RUBUS SPP. OF SECTION EUBATUS	BLACKBERRY BARK EXTRACT	84787-69-9	2155	
RUBUS SUAVISSIMUS S. LEE	SWEET BLACKBERRY LEAVES EXTRACT	1268518-76-8	4717	
RUBUS SUAVISSIMUS S. LEE	GLUCOSYLATED RUBUS SUAVISSIMUS EXTRACT, 20-30% GLUCOSYLATED RUBUSOSIDE GLYCOSIDES	1268518-76-8	4800	

Latin Name	Name of NCS	CAS	FEMA	CoE
RUBUS SUAVISSIMUS S. LEE	GLUCOSYLATED RUBUS SUAVISSIMUS EXTRACT, 60% GLUCOSYLATED RUBUSOSIDE GLYCOSIDES	1268518-76-8	4814	
RUMEX ACUTUS L.	SHARP-POINTED-DOCK TINCTURE			COE410
RUMEX AQUATICUS L.	WATER DOCK TINCTURE			COE411
RUTA GRAVEOLENS L.	RUE OIL	8014-29-7	2995	
SACCHAROMYCES CEREVISIAE	BEER YEAST EXTRACT			COE2099a
SACCHARUM OFFICINARUM L.	SUGAR CANE DISTILLATE	870133-53-2	4816	
SACCHARUM OFFICINARUM L.	SUGAR CANE EXTRACT	91722-22-4		COE2100
SALVIA LAVANDULAEFOLIA VAHL.	SAGE SPANISH OIL	8022-56-8	3003	
SALVIA OFFICINALIS L.	SAGE OIL	8022-56-8	3001	
SALVIA OFFICINALIS L.	SAGE OLEORESIN	8022-56-8	3002	
SALVIA SCLAREA L.	CLARY OIL	8016-63-5	2321	
SAMBUCUS NIGRA L.	ELDER TINCTURE	91722-58-6, 84603-58-7		COE417
SANGUINARIA CANADENSIS L.	CANADIAN BLOOD ROOT TINCTURE			COE418
SANGUISORBA MINOR SCOP.	SALAD BURNET TINCTURE			COE547, COE2101
SANTALUM ALBUM L.	SANDALWOOD YELLOW OIL	8006-87-9	3005	
SANTALUM AUSTROCALEDONICUM	SANDALWOOD AUSTROCALEDONICUM OIL	91845-48-6, 1070895-66-7	4815	
SANTALUM SPICATUM DC.	AUSTRALIAN SANDALWOOD OIL	8024-35-9, 92875-02-0		COE187
SANTOLINA CHAMAECYPARISSUS L.	GARDEN CYPRESS TINCTURE	84961-58-0		COE421
SAPONARIA OFFICINALIS L.	SOAPWORT TINCTURE			COE422
SASSAFRAS ALBIDUM (NUTT.) NEES	SASSAFRAS BARK EXTRACT (SAFROLE-FREE)	84787-72-4	3010	
SATUREJA HORTENSIS L.	SAVORY SUMMER OIL	8016-68-0	3013	
SATUREJA HORTENSIS L.	SAVORY SUMMER OLEORESIN	84775-98-4	3014	
SATUREJA MONTANA L.	SAVORY WINTER OIL	90106-57-3	3016	
SATUREJA MONTANA L.	SAVORY WINTER OLEORESIN	90106-57-3	3017	
SAUSSUREA LAPPA CLARKE	COSTUS ROOT OIL	8023-88-9	2336	
SCHINUS MOLLE L.	SCHINUS MOLLE OIL	68917-52-2	3018	
SCORZONERA HISPANICA L.	BLACK SALSIFY TINCTURE			COE428
SCUTELLARIA BAICALENSIS GEORGI	SCUTELLARIA BAICALENSIS ROOT EXTRACT		4975	
SECALE CEREALE L.	RYE TINCTURE			COE2102
SESAMUM INDICUM L.	SESAME FIXED OIL BY COLD EXPRESSION	8008-74-0		COE429
SHOREA JAVANICA KOORD. & VALETON	PURIFIED DAMAR GUM	9000-16-2	4820	
SILYBUM MARIANUM (L.) GAERTN.	HOLY THISTLE TINCTURE			COE551, COE2103
SINAPIS ALBA L.	WHITE MUSTARD OIL			COE431
SINAPIS ARVENSIS L.	BLACK MUSTARD OIL			COE432
SIRAITIA GROSVENORII (SWINGLE) C. JEFFREY EX A. M. LU &	LUO HAN FRUIT CONCENTRATE	1042967-53-2	4711	
SIUM SISARUM L.	CHERVI TINCTURE			COE433
SMILAX SPP.	SARSAPARILLA EXTRACT	91770-66-0	3009	
SOLANUM MELONGENA L.	EGGPLANT			COE539, COE2105
SOLANUM TUBEROSUM L.	POTATO			COE2106
SPARTIUM JUNCEUM L.	GENET ABSOLUTE	90131-21-8	2504	
SPARTIUM JUNCEUM L.	GENET EXTRACT	90131-21-8	2505	
SPIRANTHES ACMELLA (OLERACEA)	JAMBU OLEORESIN	90131-24-1	3783	
STEVIA REBAUDIANA (BERTONI) BERTONI	GLUCOSYL STEVIOL GLYCOSIDES	91722-21-3	4728	
STEVIA REBAUDIANA (BERTONI) BERTONI	STEVIOL GLYCOSIDE EXTRACT, REBAUDIOSIDE A 60%	91722-21-1	4771	
STEVIA REBAUDIANA (BERTONI) BERTONI	STEVIOL GLYCOSIDE EXTRACT, REBAUDIOSIDE A 80%	91722-21-1	4772	
STEVIA REBAUDIANA (BERTONI) BERTONI	STEVIOL GLYCOSIDE EXTRACT, REBAUDIOSIDE C 30%	91722-21-3	4796	
STEVIA REBAUDIANA (BERTONI) BERTONI	STEVIOL GLYCOSIDE EXTRACT, REBAUDIOSIDE A 22%	91722-21-3	4805	
STEVIA REBAUDIANA (BERTONI) BERTONI	STEVIOL GLYCOSIDE EXTRACT, REBAUDIOSIDE C 22%	91722-21-3	4806	
STEVIA REBAUDIANA (BERTONI) BERTONI	GLUCOSYLATED STEVIA EXTRACT	1225018-62-1	4845	
STEVIA REBAUDIANA (BERTONI) BERTONI	ENZYME MODIFIED STEVIA, STEVIOSIDE 20%	91722-21-3	4876	
STEVIA REBAUDIANA (BERTONI) BERTONI	GLUCOSYLATED STEVIOL GLYCOSIDES, 70-80%	57817-89-7	4909	
STEVIA REBAUDIANA (BERTONI) BERTONI	GLUCOSYLATED STEVIOL GLYCOSIDES, 40%	57817-89-7	4910	
STEVIA REBAUDIANA (BERTONI) BERTONI	STEVIA EXTRACT STEVIOSIDE, 70%	91722-21-3	4911	
STEVIA REBAUDIANA (BERTONI) BERTONI	GLUCOSYLATED STEVIOL GLYCOSIDES, 90%	57817-89-7	4931	
STEVIA REBAUDIANA (BERTONI) BERTONI	GLUCOSYLATED STEVIA EXTRACT 40% WITH 14% REBAUDIOSIDE A		4947	
STEVIA REBAUDIANA (BERTONI) BERTONI	STEVIA REBAUDIANA EXTRACT REBAUDIOSIDES AM AND M		4950	
STEVIA REBAUDIANA (BERTONI) BERTONI	GLUCOSYLATED STEVIOL GLYCOSIDES 90% SUPRAGLUCOSYLATED REBAUDIOSIDE A		4951	
STEVIA REBAUDIANA (BERTONI) BERTONI	GLUCOSYLATED STEVIOL GLYCOSIDES 91% SUPRAGLUCOSYLATED REBAUDIOSIDE D		4952	
STEVIA REBAUDIANA (BERTONI) BERTONI	GLUCOSYLATED STEVIOL GLYCOSIDES 58% SUPRAGLUCOSYLATED STEVIOSIDE		4953	

Latin Name	Name of NCS	CAS	FEMA	CoE
STEVIA REBAUDIANA (BERTONI) BERTONI	RUBUSOSIDES ENRICHED GLUCOSYLATED STEVIOL GLYCOSIDES	1225018-62-1	4992	
STYRAX BENZOIN DRYAND.	BENZOIN RESINOID	9000-05-9, 9000-05-9		COE439
SWERTIA CHIRAYTA BUCH HAM.	INDIAN CHIRETTA EXTRACT	90604-50-5		COE440
SWERTIA CHIRAYTA BUCH HAM.	INDIAN CHIRETTA TINCTURE	90604-50-5		COE440
SYMPHYTUM OFFICINALE L.	SAGE TINCTURE			COE441
SYZYGIIUM AROMATICUM (L.) MERR. & L.M.PERRY	CLOVE LEAF OIL TERPENES	68917-29-3		COE188
TAGETES ERECTA L., T. PATULA L., T. GLANDULIFERA SCHRANK	TAGETES OIL	8016-84-0	3040	
TAMARINDUS INDICA L.	TAMARIND EXTRACT	72968-49-1, 84961-62-6		COE444
TANACETUM VULGARE L.	TANSY OIL	8016-87-3, 84961-64-8		COE446
TARAXACUM OFFICINALE WEBER, T. ERYTHROSPERMUM ANDRZ.	DANDELION FLUID EXTRACT	68990-74-9	2357	
TARAXACUM OFFICINALE WEBER, T. ERYTHROSPERMUM ANDRZ.	DANDELION ROOT EXTRACT SOLID	68990-74-9	2358	
TASMANNIA LANCEOLATA	TASMANNIA LANCEOLATA EXTRACT	183815-52-3	4755	
TERMINALIA CHEBULA RETZ.	MYROBALAN EXTRACT			COE448
TEUCRIUM CHAMAEDRYS L.	WALL GERMANDER TINCTURE			COE449
THAUMATOCOCCLUS DANIELLII (BENN.) BENTH.	KATEMFE FRUIT EXTRACT	90131-57-0	4831	
THAUMATOCOCCLUS DANIELLII (BENNETT) BENTH	KATEMFE EXTRACT	90131-57-0		COE2110a
THEOBROMA CACAO L.	COCOA TREE BEAN OLEORESIN	8002-31-1, 84649-99-0		COE452
THEOBROMA CACAO L.	COCOA TREE BEAN ABSOLUTE	8002-31-1, 84649-99-0		COE452
THEOBROMA CACAO L.	COCOA TREE BEAN EXTRACT	8002-31-1, 84649-99-0		COE452
THEOBROMA CACAO L.	COCOA TREE BEAN FIXED OIL BY COLD EXPRESSION	8002-31-1, 84649-99-0		COE452
THUJA OCCIDENTALIS L.	CEDAR LEAF OIL	8007-20-3	2267	
THYMUS CAPITATUS L. HOFFMANNS & LINK (CORIDOTHYMUS CAPITATUS REICH B.)	ORIGANUM OIL (EXTRACTIVE)	8007-11-2	2828	
THYMUS SERPYLLUM L.	THYME OIL	8007-46-3, 84776-98-7		COE455
THYMUS VULGARIS L.	THYME OIL	8007-46-3	3064	
THYMUS VULGARIS L.	THYME WHITE OIL	8007-46-3	3065	
THYMUS VULGARIS L.	THYME OLEORESIN	8007-46-3, 84929-51-1		COE456
THYMUS ZYGIS L.	SPANISH THYME OIL	85085-75-2		COE457
TILIA TOMENTOSA MOENCH	SILVER LINDEN TINCTURE			COE2111
TRIFOLIUM PRATENSE L.	CLOVER TOPS RED EXTRACT SOLID	85085-25-2	2326	
TRIGONELLA FOENUM-GRAECUM L.	FENUGREEK EXTRACT	84625-40-1	2485	
TRIGONELLA FOENUM-GRAECUM L.	FENUGREEK OLEORESIN	84625-40-1	2486	
TRIGONELLA FOENUM-GRAECUM L.	FENUGREEK ABSOLUTE	84625-40-1		COE460
TRITICUM AESTIVUM L. EMEND. FIORI ET PAOL.	WHEAT ABSOLUTE			COE518, COE2112
TRITICUM AESTIVUM L. EMEND. FIORI ET PAOL.	WHEAT FIXED OIL BY COLD EXPRESSION			COE518, COE2112
TSUGA CANADENSIS (L.) CARR., T. HETEROPHYLLA (RAF.) SARG., PICEA MARIANA (MILL.), P. GLAUCA (MOENCH) VOSS	SPRUCE OIL	8008-80-8	3034	
TSUGA CANADENSIS (L.) CARRIÈRE	CANADIAN PINE OIL	90045-63-9		COE461
TUBER MAGNATUM PICO	PIEDMONTESE TRUFFLE EXTRACT			COE544, COE2113
TUBER MELANOSPORUM VITT.	TRUFFLE, FRENCH EXTRACT			COE545, COE2114
TURNERA DIFFUSA WILLD.	DAMIANA TINCTURE	8023-75-4, 90064-25-8		COE462
TUSSILAGO FARFARA L.	COLTSFOOT TINCTURE			COE463
ULMUS FULVA MICHX.	SLIPPERY ELM EXTRACT			COE464
ULMUS FULVA MICHX.	SLIPPERY ELM TINCTURE			COE464
UNCARIA GAMBIR ROXB.	GAMBIR EXTRACT			COE465
URTICA DIOICA L.	COMMON NETTLE TINCTURE			COE468
USNEA BARBATA (L.) WIGGERS	TREEMOSS ABSOLUTE	84696-53-7		COE2115
USNEA BARBATA (L.) WIGGERS	TREEMOSS CONCRETE	84696-53-7		COE2115
USNEA BARBATA (L.) WIGGERS	TREEMOSS RESINOID	84696-53-7		COE2115
VACCINIUM CORYMBOSUM L.	HIGHBLUSH BLUEBERRY EXTRACT			COE2116, COE4700
VACCINIUM MACROCARPUM AITON	CRANBERRY, LARGE EXTRACT			COE470
VACCINIUM MYRTILLUS L.	BILBERRY EXTRACT			COE469
VACCINIUM MYRTILLUS L.	BILBERRY TINCTURE			COE469

Latin Name	Name of NCS	CAS	FEMA	CoE
VACCINIUM ULIGINOSUM L.	BLUEBERRY EXTRACT			COE471
VACCINIUM VITIS-IDAEA L.	COWBERRY EXTRACT			COE472
VALERIANA OFFICINALIS L.	VALERIAN ROOT EXTRACT	97927-02-1	3099	
VALERIANA OFFICINALIS L.	VALERIAN ROOT OIL	8008-88-6	3100	
VANILLA PLANIFOLIA ANDREWS, V. TAHITENSIS J.W. MOORE	VANILLA EXTRACT	84650-63-5	3105	
VANILLA PLANIFOLIA ANDREWS, V. TAHITENSIS J.W. MOORE	VANILLA OLEORESIN	84650-63-5	3106	
VERBASCUM THASPUSUS L.	MULLEIN TINCTURE			COE475
VERBENA ODORATA	LEMON VERBENA OIL			COE519, COE2119
VERBENA OFFICINALIS L.	VERVAIN ABSOLUTE	84961-67-1		COE476
VERBENA OFFICINALIS L.	VERVAIN OIL	84961-67-1		COE476
VERONICA ALLIONI VILL.	ALPINE SPEEDWELL TINCTURE			COE477
VERONICA OFFICINALIS L.	VERONICA TINCTURE			COE478
VETIVERIA ZIZANOIDES (L.) STAPF.	VETIVER OIL	8016-96-4, 84238-29-9		COE479
VIBURNUM PRUNIFOLIUM L.	HAW BARK BLACK EXTRACT	84929-54-4	2538	
VIOLA CANINA L.	DOG'S VIOLET TINCTURE			COE481
VIOLA ODORATA L.	VIOLET LEAVES ABSOLUTE	90147-36-7	3110	
VIOLA TRICOLOR L. V. ARVENSIS	PANSY TINCTURE			COE483
VITIS VINIFERA L.	GRAPE TINCTURE	84929-27-1		COE485
VITIS VINIFERA L.	WINE LEES OIL, GREEN	8016-21-5	2331	
VITIS VINIFERA L.	WINE LEES OIL, WHITE	8016-21-5	2332	
VITIS VINIFERA L.	GRAPE SEED EXTRACT	84929-27-1	4045	
VIVERRA CIVETTA SCHREBER AND VIVERRA ZIBETHA SCHREBER	CIVET ABSOLUTE	68916-26-7	2319	
XANTHOXYLUM AMERICANUM L., X. CLAVA-HERCULIS L.	ASH BARK, PRICKLY, EXTRACT	90105-89-8	2110	
YUCCA SCHIDIGERA ROEZL EX ORTGIES [Y. MOHAVENSIS SARG.]	YUCCA MOHAVE EXTRACT	90147-57-2	3121	
ZANTHOXYLUM ARMATUM DC.	TIMUR PEPPER CO2 EXTRACT	91770-90-0		COE486
ZANTHOXYLUM BUNGEANUM MAXIM.	SZECHUAN PEPPER EXTRACT	97404-53-0	4754	
ZANTHOXYLUM CLAVA-HERCULIS L.	PEPPERWOOD EXTRACT			COE2120
ZANTHOXYLUM CLAVA-HERCULIS L.	PEPPERWOOD OIL			COE2120
ZINGIBER OFFICINALE ROSC.	GINGER EXTRACT	84696-15-1	2521	
ZINGIBER OFFICINALE ROSC.	GINGER OIL	8007-08-7	2522	
ZINGIBER OFFICINALE ROSC.	GINGER OLEORESIN	84696-15-1	2523	
	BUTTER STARTER DISTILLATE	91745-88-9	2173	
	FUSEL OIL, REFINED	8013-75-0	2497	
	NATURAL HICKORY SMOKE FLAVOR	74113-74-9	4222	
	NOOTKATONE COMPLEX	4674-50-4	4941	
	VALENCENE 80 EXTRACT	2180135-08-2	4838	
	BUTTER ACIDS	91745-88-9; 85536-25-0	2171	
	BUTTER ESTERS	97926-23-3; 71990-22-2	2172	
	PYROLIGNEOUS ACID	8030-97-5	2967	