

Commission Implementing Regulation (EU) No 230/2013 of 14 March 2013 on the withdrawal from the market of certain feed additives belonging to the group of flavouring and appetising substances (Text with EEA relevance)

COMMISSION IMPLEMENTING REGULATION (EU) No 230/2013  
of 14 March 2013

on the withdrawal from the market of certain feed additives  
belonging to the group of flavouring and appetising substances

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 1831/2003 of the European Parliament and of the Council of 22 September 2003 on additives for use in animal nutrition<sup>(1)</sup>, and in particular Article 10(5) thereof,

Whereas:

- (1) Regulation (EC) No 1831/2003 provides for the authorisation of additives for use in animal nutrition and for the grounds and procedures for granting such authorisation. Article 10 of that Regulation provides for the re-evaluation of additives authorised pursuant to Council Directive 70/524/EEC<sup>(2)</sup>.
- (2) The feed additives set out in the Annex were authorised without a time limit by Directive 70/524/EEC. Those feed additives were subsequently entered in the Community Register of Feed Additives as existing products, in accordance with Article 10(1) of Regulation (EC) No 1831/2003.
- (3) As regards the use of the feed additives specified in Part A of the Annex as flavouring and appetising substances, no applications for authorisation in accordance with Article 10(2) of Regulation (EC) No 1831/2003 were submitted before the deadline provided for in that provision. As regards the use of the feed additives specified in Part B of the Annex as flavouring and appetising substances, no applications were submitted before that deadline for some of the animal species or categories of animal species for which the feed additives concerned had been authorised pursuant to Directive 70/524/EEC. However, as regards the use of saccharin and calcium saccharin specified in Part B of the Annex as flavouring and appetising substances, no applications were submitted before that deadline for the only animal category for which those feed additives had been authorised pursuant to Directive 70/524/EEC.
- (4) For transparency purposes, feed additives for which no applications for authorisation were submitted within the period specified in Article 10(2) of Regulation (EC) No 1831/2003 were listed in a separate part of the Community Register of Feed Additives.

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*Changes to legislation:* There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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- (5) Those feed additives should therefore be withdrawn from the market as far as their use as flavouring and appetising substances is concerned, except for animal species and categories of animal species for which applications for authorisation have been submitted. This measure does not interfere with the use of some of the abovementioned additives according to other animal species or categories of animal species or to other functional groups for which they may be allowed.
- (6) It is appropriate to allow a transitional period for interested parties within which existing stocks of the additives concerned, premixtures, compound feed and feed materials which have been produced with those additives may be used up, taking account of the shelf-life of certain feed containing the additives in question.
- (7) The withdrawal from the market of the products listed in the Annex is without prejudice to the granting of an authorisation concerning them or to the adoption of a measure concerning their status in accordance with Regulation (EC) No 1831/2003.
- (8) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on the Food Chain and Animal Health,

HAS ADOPTED THIS REGULATION:

*Article 1*

**Withdrawal**

The feed additives specified in Part A of the Annex, belonging to the group ‘flavouring and appetising substances’, shall be withdrawn from the market.

The feed additives specified in Part B of the Annex, belonging to the group ‘flavouring and appetising substances’, shall be withdrawn from the market in respect of certain animal species or categories of animal species as specified in that Part of the Annex.

*Article 2*

**Transitional measures**

1 Existing stocks of the feed additives set out in Part A of the Annex may continue to be placed on the market and used as feed additives belonging to the group ‘flavouring and appetising substances’ until 10 April 2014.

2 Premixtures produced with the additives referred to in paragraph 1 may continue to be placed on the market and used until 10 October 2014.

3 Compound feed and feed materials produced with the additives referred to in paragraph 1 or with the premixtures referred to in paragraph 2 and which have been labelled in accordance with Regulation (EC) No 767/2009 until 10 April 2015 may continue to be placed on the market and used until stocks are exhausted.

4 As regards the feed additives set out in Part B of the Annex, paragraphs 1, 2 and 3 shall apply in respect of the animal species or categories of animal species specified in that Part of the Annex.

**Changes to legislation:** There are currently no known outstanding effects for the  
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### *Article 3*

#### **Entry into force**

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 14 March 2013.

*For the Commission*

*The President*

José Manuel BARROSO

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

## ANNEX

FEED ADDITIVES BELONGING TO THE GROUP OF  
FLAVOURING AND APPETISING SUBSTANCES WITHDRAWN  
FROM THE MARKET, AS PROVIDED FOR IN ARTICLE 1

## PART A

**Feed additives belonging to the group of flavouring and appetising substances  
withdrawn for all species and categories of animals**

Identification Number	Additive	Species or category of animals
Flavouring and appetising substances		
1. Natural products and corresponding synthetic products		
	2-Ethyl-(3,5 or 6)-methoxypyrazine (85 %) and 2-Methyl-(3,5 or 6)-methoxypyrazine (13 %) / Flavis No. 14.077	All species
	Hexadecano-1,5-lactone / Flavis No. 10.049	All species
	2,6,6-Trimethyl-1-cyclohexen-1-carboxaldehyde / Flavis No. 05.121	All species
	Prenyl benzoate / Flavis No. 09.693	All species
	CAS No. 100-09-4 / p-Anisic acid / Flavis No. 08.071	All species
	CAS No. 10024-64-3 / Linalyl octanoate / Flavis No. 09.116	All species
	CAS No. 10031-82-0 / 4-Ethoxybenzaldehyde / Flavis No. 05.056	All species
	CAS No. 10032-02-7 / Geranyl hexanoate / Flavis No. 09.067	All species
	CAS No. 100-42-5 / Vinylbenzene / Flavis No. 01.015	All species
	CAS No. 100-66-3 / Anisole / Flavis No. 04.032	All species
	CAS No. 10094-40-3 / Hex-2-enyl acetate / Flavis No. 09.196	All species

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	CAS No. 10094-41-4 / Hex-3-enyl 2- methylbutyrate / Flavis No. 09.506	All species
	CAS No. 101517-87-7 / Isobutyldihydro-4,6- dimethyl-1,3,5-dithiazine; 2(4)-Isobutyl-4-(2),6- dimethyldihydro(4H)1,3,5- dithiazine) / Flavis No. 15.079	All species
	CAS No. 10236-16-5 / 3,7,11,15- Tetramethylhexadec-2-enyl acetate / Flavis No. 09.691	All species
	CAS No. 10276-85-4 / Benzyl octanoate / Flavis No. 09.318	All species
	CAS No. 10316-66-2 / 2- Hydroxycyclohex-2-en-1- one / Flavis No. 07.119	All species
	CAS No. 103-25-3 / Methyl 3-phenylpropionate / Flavis No. 09.746	All species
	CAS No. 103-50-4 / Dibenzyl ether / Flavis No. 03.004	All species
	CAS No. 10352-87-1 / Propyl but-2(trans)-enoate / Flavis No. 09.699	All species
	CAS No. 10352-88-2 / 2- Heptenoic acid / Flavis No. 08.123	All species
	CAS No. 103-53-7 / Phenethyl cinnamate / Flavis No. 09.743	All species
	CAS No. 103-56-0 / Cinnamyl propionate / Flavis No. 09.133	All species
	CAS No. 10402-47-8 / Geranyl valerate / Flavis No. 09.150	All species

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	CAS No. 104-09-6 / p-Tolylacetaldehyde / Flavis No. 05.042	All species
	CAS No. 10415-88-0 / 1-Methyl-3-phenylpropyl acetate / Flavis No. 09.200	All species
	CAS No. 104228-51-5 / Ethyl 4-(acetylthio)butyrate / Flavis No. 12.257	All species
	CAS No. 104-45-0 / 1-Methoxy-4-propylbenzene / Flavis No. 04.039	All species
	CAS No. 104-46-1 / 1-Methoxy-4-(1-propenyl)benzene / Flavis No. 04.088	All species
	CAS No. 10458-14-7 / p-Menthan-3-one / Flavis No. 07.059	All species
	CAS No. 104-65-4 / Cinnamyl formate / Flavis No. 09.085	All species
	CAS No. 104691-40-9 / 2(4)-Isopropyl-4(2),6-dimethyldihydro-4H-1,3,5-dithiazine / Flavis No. 15.057	All species
	CAS No. 10486-19-8 / Tridecanal / Flavis No. 05.181	All species
	CAS No. 104-90-5 / 5-Ethyl-2-methylpyridine / Flavis No. 14.066	All species
	CAS No. 10519-33-2 / Dec-3-en-2-one / Flavis No. 07.121	All species
	CAS No. 105-43-1 / 3-Methylvaleric acid / Flavis No. 08.056	All species
	CAS No. 105-66-8 / Propyl butyrate / Flavis No. 09.040	All species

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	CAS No. 105-79-3 / Isobutyl hexanoate / Flavis No. 09.064	All species
	CAS No. 10588-10-0 / Isobutyl valerate / Flavis No. 09.250	All species
	CAS No. 105-89-5 / Rhodinyl propionate / Flavis No. 09.141	All species
	CAS No. 106-18-3 / Butyl dodecanoate / Flavis No. 09.100	All species
	CAS No. 106-26-3 / Neral / Flavis No. 05.170	All species
	CAS No. 106-35-4 / Heptan-3-one / Flavis No. 07.003	All species
	CAS No. 106-36-5 / Propyl propionate / Flavis No. 09.122	All species
	CAS No. 106-65-0 / Dimethyl succinate / Flavis No. 09.445	All species
	CAS No. 106-73-0 / Methyl heptanoate / Flavis No. 09.096	All species
	CAS No. 107-31-3 / Methyl formate / Flavis No. 09.642	All species
	CAS No. 107-74-4 / 3,7-Dimethyloctane-1,7-diol / Flavis No. 02.047	All species
	CAS No. 107-86-8 / 3-Methylcrotonaldehyde / Flavis No. 05.124	All species
	CAS No. 1079-01-2 / Myrtenyl acetate / Flavis No. 09.302	All species
	CAS No. 108-10-1 / 4-Methylpentan-2-one / Flavis No. 07.017	All species

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	CAS No. 108-21-4 / Isopropyl acetate / Flavis No. 09.003	All species
	CAS No. 108-82-7 / 2,6- Dimethylheptan-4-ol / Flavis No. 02.081	All species
	CAS No. 108-83-8 / 2,6- Dimethylheptan-4-one / Flavis No. 07.122	All species
	CAS No. 108-94-1 / Cyclohexanone / Flavis No. 07.148	All species
	CAS No. 109-15-9 / Octyl isobutyrate / Flavis No. 09.473	All species
	CAS No. 109-20-6 / Geranyl isovalerate / Flavis No. 09.453	All species
	CAS No. 109-79-5 / Butane-1-thiol / Flavis No. 12.010	All species
	CAS No. 109-80-8 / Propane-1,3-dithiol / Flavis No. 12.076	All species
	CAS No. 109-97-7 / Pyrrole / Flavis No. 14.041	All species
	CAS No. 11031-45-1 / 12- alpha-Santalen-14-ol, alpha santalol / Flavis No. 02.217	All species
	CAS No. 110-58-7 / Pentylamine / Flavis No. 11.021	All species
	CAS No. 110-74-7 / Propyl formate / Flavis No. 09.073	All species
	CAS No. 110-81-6 / Diethyl disulfide / Flavis No. 12.012	All species
	CAS No. 110-86-1 / Pyridine / Flavis No. 14.008	All species
	CAS No. 110-89-4 / Piperidine / Flavis No. 14.010	All species



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	CAS No. 111-11-5 / Methyl octanoate / Flavis No. 09.117	All species
	CAS No. 111-15-9 / 2-Ethoxyethyl acetate / Flavis No. 09.359	All species
	CAS No. 111-28-4 / hexa-2,4-dien-1-ol; Sorbic alcohol; 1-Hydroxy-2,4-hexadiene; Sorbyl alcohol / Flavis No. 02.162	All species
	CAS No. 111-31-9 / Hexane-1-thiol / Flavis No. 12.132	All species
	CAS No. 1115-84-0 / S-Methylmethioninesulphonium chloride / Flavis No. 17.015	All species
	CAS No. 111-61-5 / Ethyl octadecanoate / Flavis No. 09.210	All species
	CAS No. 1117-55-1 / Hexyl octanoate / Flavis No. 09.113	All species
	CAS No. 1117-59-5 / Hexyl valerate / Flavis No. 09.583	All species
	CAS No. 111-82-0 / Methyl dodecanoate / Flavis No. 09.101	All species
	CAS No. 1118-27-0 / Linalyl isovalerate / Flavis No. 09.454	All species
	CAS No. 1118-39-4 / Myrcenyl acetate / Flavis No. 09.669	All species
	CAS No. 1119-44-4 / Hept-3-en-2-one / Flavis No. 07.105	All species
	CAS No. 112-23-2 / Heptyl formate / Flavis No. 09.074	All species
	CAS No. 112-32-3 / Octyl formate / Flavis No. 09.075	All species
	CAS No. 112-37-8 / Undecanoic acid / Flavis No. 08.042	All species

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	CAS No. 112-38-9 / Undec-10-enoic acid / Flavis No. 08.039	All species
	CAS No. 112-42-5 / Undecan-1-ol / Flavis No. 02.057	All species
	CAS No. 112-43-6 / undec-10-en-1-ol; Undecen-1-ol; Alcohol C-11; Undecylenic alcohol / Flavis No. 02.125	All species
	CAS No. 1125-88-8 / alpha,alpha- Dimethoxytoluene / Flavis No. 06.003	All species
	CAS No. 112-63-0 / Methyl linoleate / Flavis No. 09.645	All species
	CAS No. 1135-24-6 / 4- Hydroxy-3-methoxycinnamic acid / Flavis No. 08.089	All species
	CAS No. 1135-66-6 / Isolongifolene / Flavis No. 01.044	All species
	CAS No. 1139-30-6 / beta- caryophyllene epoxide / Flavis No. 16.043	All species
	CAS No. 115-18-4 / 2- Methylbut-3-en-2-ol / Flavis No. 02.123	All species
	CAS No. 116-26-7 / 2,6,6- Trimethylcyclohexa-1,3- diene-1-carbaldehyde / Flavis No. 05.104	All species
	CAS No. 118-72-9 / 2,6- (Dimethyl)thiophenol / Flavis No. 12.082	All species
	CAS No. 118-93-4 / 2- Hydroxyacetophenone / Flavis No. 07.124	All species
	CAS No. 1191-04-4 / 2- Hexenoic acid / Flavis No. 08.119	All species

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	CAS No. 1193-11-9 / 2,2,4-Trimethyl-1,3-dioxolane / Flavis No. 06.098	All species
	CAS No. 1193-18-6 / 3-Methylcyclohex-2-en-1-one / Flavis No. 07.098	All species
	CAS No. 1195-79-5 / Fenchone / Flavis No. 07.037	All species
	CAS No. 119-65-3 / Isoquinoline / Flavis No. 14.001	All species
	CAS No. 1200-67-5 / Isobornyl formate / Flavis No. 09.176	All species
	CAS No. 120-92-3 / Cyclopentanone / Flavis No. 07.149	All species
	CAS No. 121-34-6 / Vanillic acid / Flavis No. 08.043	All species
	CAS No. 121-44-8 / Triethylamine / Flavis No. 11.023	All species
	CAS No. 121-98-2 / Methyl 4-methoxybenzoate / Flavis No. 09.713	All species
	CAS No. 122-43-0 / Butyl phenylacetate / Flavis No. 09.787	All species
	CAS No. 122-67-8 / Isobutyl cinnamate / Flavis No. 09.734	All species
	CAS No. 122-68-9 / 3-Phenylpropyl cinnamate / Flavis No. 09.745	All species
	CAS No. 122-69-0 / Cinnamyl cinnamate / Flavis No. 09.739	All species
	CAS No. 122-72-5 / 3-Phenylpropyl acetate / Flavis No. 09.032	All species

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	CAS No. 122-79-2 / Phenyl acetate / Flavis No. 09.688	All species
	CAS No. 122-84-9 / 4-Methoxyphenylacetone / Flavis No. 07.087	All species
	CAS No. 122-91-8 / p-Anisyl formate / Flavis No. 09.087	All species
	CAS No. 123-08-0 / 4-Hydroxybenzaldehyde / Flavis No. 05.047	All species
	CAS No. 123-15-9 / 2-Methylpentanal / Flavis No. 05.069	All species
	CAS No. 123-19-3 / Heptan-4-one / Flavis No. 07.058	All species
	CAS No. 123-31-9 / Quinol / Flavis No. 04.083	All species
	CAS No. 123-42-2 / 4-Hydroxy-4-methylpentan-2-one / Flavis No. 07.165	All species
	CAS No. 123-63-7 / 2,4,6-Trimethyl-1,3,5-trioxane / Flavis No. 05.053	All species
	CAS No. 123-95-5 / Butyl octadecanoate / Flavis No. 09.246	All species
	CAS No. 124-04-9 / Adipic acid / Flavis No. 08.026	All species
	CAS No. 124-10-7 / Methyl tetradecanoate / Flavis No. 09.106	All species
	CAS No. 124-25-4 / Tetradecanal / Flavis No. 05.032	All species
	CAS No. 126-14-7 / Sucrose octaacetate / Flavis No. 16.081	All species
	CAS No. 126-64-7 / Linalyl benzoate / Flavis No. 09.771	All species

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	CAS No. 127-17-3 / Pyruvic acid / Flavis No. 08.019	All species
	CAS No. 128-50-7 / 2-(6,6-Dimethylbicyclo[3.1.1]hept-2-en-2-yl)ethan-1-ol / Flavis No. 02.141	All species
	CAS No. 13019-20-0 / 2-Methylheptan-3-one / Flavis No. 07.240	All species
	CAS No. 13049-88-2 / Non-3-enyl acetate / Flavis No. 09.672	All species
	CAS No. 130-89-2 / Quinine hydrochloride / Flavis No. 14.011	All species
	CAS No. 13109-70-1 / Bornyl butyrate / Flavis No. 09.319	All species
	CAS No. 13162-46-4 / Undeca-2,4-dienal / Flavis No. 05.108	All species
	CAS No. 13184-86-6 / Ethyl 4-hydroxy-3-methoxybenzyl ether / Flavis No. 04.094	All species
	CAS No. 13201-46-2 / 2-Methyl-2-butenic acid / Flavis No. 08.120	All species
	CAS No. 13238-84-1 / 2,5-Diethylpyrazine / Flavis No. 14.097	All species
	CAS No. 13327-56-5 / Ethyl 3-(methylthio)propionate / Flavis No. 12.053	All species
	CAS No. 133-37-9 / Tartaric acid / Flavis No. 08.018	All species
	CAS No. 13341-72-5 / 5,6,7,7 <sup>a</sup> -Tetrahydro-3,6-dimethylbenzofuran-2(4H)-one / Flavis No. 10.036	All species

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	CAS No. 1334-78-7 / Tolualdehyde / Flavis No. 05.027	All species
	CAS No. 1335-46-2 / Methyl ionone / Flavis No. 07.218	All species
	CAS No. 1335-66-6 / Isocyclocitral / Flavis No. 05.157	All species
	CAS No. 13360-64-0 / 2-Ethyl-5-methylpyrazine / Flavis No. 14.017	All species
	CAS No. 13360-65-1 / 3-Ethyl-2,5-dimethylpyrazine / Flavis No. 14.111	All species
	CAS No. 13419-69-7 / Hex-2(trans)-enoic acid / Flavis No. 08.054	All species
	CAS No. 13481-87-3 / Methyl non-3-enoate / Flavis No. 09.298	All species
	CAS No. 136-60-7 / Butyl benzoate / Flavis No. 09.779	All species
	CAS No. 13678-59-6 / 2-Methyl-5-(methylthio)furan / Flavis No. 13.065	All species
	CAS No. 13679-46-4 / Furfuryl methyl ether / Flavis No. 13.052	All species
	CAS No. 13679-70-4 / 5-Methyl-2-thiophenecarbaldehyde / Flavis No. 15.004	All species
	CAS No. 13679-85-1 / 4,5-Dihydro-2-methylthiophene-3(2H)-one / Flavis No. 15.023	All species
	CAS No. 13679-85-1 / dihydro-2-methylthiophene-3(2H)one / Flavis No. 15.007	All species

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	CAS No. 13679-86-2 / Anhydrolinalool oxide (5) / Flavis No. 13.097	All species
	CAS No. 136954-20-6 / 3- Mercaptohexyl acetate / Flavis No. 12.234	All species
	CAS No. 136954-21-7 / 3- Mercaptohexyl butyrate / Flavis No. 12.235	All species
	CAS No. 136954-25-1 / 3-Acetyl mercapto hexyl acetate	All species
	CAS No. 137-32-6 / 2- Methylbutan-1-ol / Flavis No. 02.076	All species
	CAS No. 13744-15-5 / beta- Cubebene / Flavis No. 01.030	All species
	CAS No. 138-86-3 / Limonene / Flavis No. 01.001	All species
	CAS No. 138-87-4 / beta- Terpineol / Flavis No. 02.097	All species
	CAS No. 13925-03-6 / 2- Ethyl-6-methylpyrazine / Flavis No. 14.114	All species
	CAS No. 13925-06-9 / 2- Isobutyl-3-methylpyrazine / Flavis No. 14.044	All species
	CAS No. 13925-08-1 / 2- methyl-5-vinyl pyrazine	All species
	CAS No. 139564-43-5 / Ethyl 3-acetoxy-2- methylbutyrate / Flavis No. 09.919	All species
	CAS No. 140-39-6 / p-Tolyl acetate / Flavis No. 09.036	All species
	CAS No. 1405-86-3 / Glycyrrhizic acid / Flavis No. 16.012	All species
	CAS No. 14059-92-8 / 4- Ethyl-2,6-dimethoxyphenol / Flavis No. 04.052	All species

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	CAS No. 140-67-0 / Estragol	All species
	CAS No. 14073-97-3 / (2S-trans)-5-Methyl-2-(1-methylethyl)cyclohexanone	All species
	CAS No. 141-06-0 / Propyl valerate / Flavis No. 09.202	All species
	CAS No. 14109-72-9 / 1-Methylthio-2-propanone / Flavis No. 12.244	All species
	CAS No. 141-15-1 / Rhodinyol butyrate / Flavis No. 09.927	All species
	CAS No. 141-25-3 / Rhodinol / Flavis No. 02.027	All species
	CAS No. 141-27-5 / 3,7-Dimethylocta-2,6-dienal / Flavis No. 05.188	All species
	CAS No. 141-79-7 / 4-Methylpent-3-en-2-one / Flavis No. 07.101	All species
	CAS No. 142-60-9 / Octyl propionate / Flavis No. 09.126	All species
	CAS No. 142-91-6 / Isopropyl hexadecanoate / Flavis No. 09.606	All species
	CAS No. 14309-57-0 / Non-3-en-2-one / Flavis No. 07.188	All species
	CAS No. 14400-67-0 / 2,5-Dimethylfuran-3(2H)-one / Flavis No. 13.119	All species
	CAS No. 14436-32-9 / Dec-9-enoic acid / Flavis No. 08.065	All species
	CAS No. 14788-65-2 / 4-Phenylbut-3-en-2-ol / Flavis No. 02.066	All species
	CAS No. 150-30-1 / (DL-) Phenylalanine / Flavis No. 17.017	All species



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	CAS No. 1504-74-1 / 3-(2-Methoxyphenyl)prop-2-enal / Flavis No. 05.048	All species
	CAS No. 150-60-7 / Dibenzyl disulfide / Flavis No. 12.081	All species
	CAS No. 15111-96-3 / p-Mentha-1,8-dien-7-yl acetate / Flavis No. 09.278	All species
	CAS No. 15111-97-4 / p-Mentha-1,8(10)-dien-9-yl acetate / Flavis No. 09.809	All species
	CAS No. 1534-08-3 / S-Methyl acetothioate / Flavis No. 12.149	All species
	CAS No. 15469-77-9 / Dec-3-enoic acid / Flavis No. 08.074	All species
	CAS No. 1551-44-6 / Cyclohexyl butyrate / Flavis No. 09.230	All species
	CAS No. 156324-82-2 / 2-Isopropyl-5-methylcyclohexyl oxycarbonyloxy-2-hydroxypropane / Flavis No. 09.920	All species
	CAS No. 1565-81-7 / Decan-3-ol / Flavis No. 02.103	All species
	CAS No. 15764-16-6 / 2,4-Dimethylbenzaldehyde / Flavis No. 05.110	All species
	CAS No. 1576-85-8 / 4-Pentenyl acetate / Flavis No. 09.917	All species
	CAS No. 1617-25-0 / Hexyl crotonate / Flavis No. 09.578	All species
	CAS No. 1629-58-9 / Pent-1-en-3-one / Flavis No. 07.102	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 16356-11-9 / Undeca-1,3,5-triene / Flavis No. 01.061	All species
	CAS No. 16400-72-9 / Dodec-2-eno-1,5-lactone / Flavis No. 10.044	All species
	CAS No. 16409-46-4 / Menthyl isovalerate / Flavis No. 09.455	All species
	CAS No. 16491-54-6 / Oct-1-en-3-yl butyrate / Flavis No. 09.282	All species
	CAS No. 16493-80-4 / 4-Ethyloctanoic acid / Flavis No. 08.079	All species
	CAS No. 1653-30-1 / Undecan-2-ol / Flavis No. 02.086	All species
	CAS No. 16630-55-0 / 3-(Methylthio)propyl acetate / Flavis No. 12.237	All species
	CAS No. 16630-66-3 / Methyl (methylthio)acetate / Flavis No. 12.146	All species
	CAS No. 1669-44-9 / Oct-3-en-2-one / Flavis No. 07.107	All species
	CAS No. 169054-69-7 / (Z)-8-Tetradecenal / Flavis No. 05.208	All species
	CAS No. 16930-96-4 / Hexyl tiglate / Flavis No. 09.887	All species
	CAS No. 17092-92-1 / Dihydroactinidiolide / Flavis No. 13.109	All species
	CAS No. 17283-81-7 / Dihydro-beta-ionone / Flavis No. 07.131	All species
	CAS No. 1731-84-6 / Methyl nonanoate / Flavis No. 09.108	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
withdrawn for all species and categories of animals**

	CAS No. 1731-86-8 / Methyl undecanoate / Flavis No. 09.653	All species
	CAS No. 1733-25-1 / Isopropyl 2-methylcrotonate / Flavis No. 09.513	All species
	CAS No. 17373-93-2 / 2- Methylbenzyl acetate / Flavis No. 09.294	All species
	CAS No. 17600-72-5 / 1- Ethoxy-2-methoxybenzene / Flavis No. 04.067	All species
	CAS No. 17619-36-2 / Methyl propyl trisulfide / Flavis No. 12.020	All species
	CAS No. 17627-44-0 / 6-methyl-2-(4- methylcyclohex-3- enyl)hepta-2,5-diene; alpha bisabolene / Flavis No. 01.027	All species
	CAS No. 1786-08-9 / 3,6- Dihydro-4-methyl-2-(2- methylprop-1-en-1-yl)-2H- pyran / Flavis No. 13.088	All species
	CAS No. 17909-77-2 / alpha- Sinensal / Flavis No. 05.130	All species
	CAS No. 1803-39-0 / 1,10- Dihydronootkatone / Flavis No. 07.153	All species
	CAS No. 18138-05-1 / 3,5- Diethyl-2-methylpyrazine / Flavis No. 14.095	All species
	CAS No. 18277-27-5 / 2- (sec-Butyl)thiazole / Flavis No. 15.022	All species
	CAS No. 18358-53-7 / Isopinocampnone / Flavis No. 07.171	All species
	CAS No. 18362-97-5 / Isopropyl valerate / Flavis No. 09.609	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 18409-21-7 / Deca-2,4-dien-1-ol; (2E,4E)-2,4-decadien-1-ol / Flavis No. 02.139	All species
	CAS No. 18479-58-8 / 2,6- Dimethyloct-7-en-2-ol / Flavis No. 02.144	All species
	CAS No. 18679-18-0 / Dodec-6-eno-1,4-lactone / Flavis No. 10.009	All species
	CAS No. 1871-67-6 / 2- Octenoic acid / Flavis No. 08.114	All species
	CAS No. 1878-18-8 / 2- Methylbutane-1-thiol / Flavis No. 12.048	All species
	CAS No. 18794-84-8 / beta- Farnesene / Flavis No. 01.041	All species
	CAS No. 1901-38-8 / 2- (2,2,3-Trimethylcyclopent-3- enyl)ethan-1-ol / Flavis No. 02.114	All species
	CAS No. 19089-92-0 / Hexyl 2-butenate / Flavis No. 09.266	All species
	CAS No. 19317-11-4 / Farnesal / Flavis No. 05.148	All species
	CAS No. 19322-27-1 / 4-Hydroxy-5- methylfuran-3(2H)-one / Flavis No. 13.085	All species
	CAS No. 193299-6-8 / Isopentyl lactate / Flavis No. 09.601	All species
	CAS No. 1963-36-6 / 4- Methoxycinnamaldehyde / Flavis No. 05.118	All species
	CAS No. 19788-49-9 / Ethyl 2-mercaptopropionate / Flavis No. 12.046	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
withdrawn for all species and categories of animals**

	CAS No. 19872-52-7 / 2-Methyl-4-oxopentane-2-thiol / Flavis No. 12.169	All species
	CAS No. 2021-28-5 / Ethyl 3-phenylpropionate / Flavis No. 09.747	All species
	CAS No. 20307-84-0 / delta-Elementene / Flavis No. 01.039	All species
	CAS No. 2049-96-9 / Pentyl benzoate / Flavis No. 09.825	All species
	CAS No. 2050-09-1 / Isopentyl valerate / Flavis No. 09.198	All species
	CAS No. 2051-50-5 / sec-Octyl acetate / Flavis No. 09.676	All species
	CAS No. 2052-14-4 / Butylsalicylate / Flavis No. 09.763	All species
	CAS No. 20665-85-4 / Vanillin isobutyrate / Flavis No. 09.811	All species
	CAS No. 20675-95-0 / 2,6-Dimethoxy-4-prop-1-enylphenol / Flavis No. 04.055	All species
	CAS No. 20752-34-5 / neomenthol / Flavis No. 02.220	All species
	CAS No. 20756-86-9 / S-Methyl hexanethioate / Flavis No. 12.156	All species
	CAS No. 207983-28-6 / Methyl 3-(methylthio) butanoate	All species
	CAS No. 2084-19-7 / Pentane-2-thiol / Flavis No. 12.192	All species
	CAS No. 2100-17-6 / cis-4-pentenal / Flavis No. 05.174	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 21063-71-8 / Methyl oct-4(cis)-enoate / Flavis No. 09.268	All species
	CAS No. 2111-75-3 / p-Mentha-1,8-dien-7-al / Flavis No. 05.117	All species
	CAS No. 21188-58-9 / Methyl 3-hydroxyhexanoate / Flavis No. 09.532	All species
	CAS No. 21188-60-3 / Methyl 3-acetoxyhexanoate / Flavis No. 09.629	All species
	CAS No. 21368-68-3 / Camphor / Flavis No. 07.209	All species
	CAS No. 2153-26-6 / Terpinyl formate / Flavis No. 09.081	All species
	CAS No. 2153-28-8 / Terpinyl butyrate / Flavis No. 09.052	All species
	CAS No. 21662-13-5 / Dodeca-2,6-dienal / Flavis No. 05.120	All species
	CAS No. 21662-16-8 / Dodeca-2,4-dienal / Flavis No. 05.125	All species
	CAS No. 21722-83-8 / 2-Cyclohexylethyl acetate / Flavis No. 09.028	All species
	CAS No. 2173-56-0 / Pentyl valerate / Flavis No. 09.149	All species
	CAS No. 2179-59-1 / Allyl propyl disulfide / Flavis No. 12.021	All species
	CAS No. 21964-44-3 / non-1-en-3-ol; n-Hexyl vinyl carbinol / Flavis No. 02.187	All species
	CAS No. 22029-76-1 / 4-(2,2,6-Trimethyl-1-cyclohexenyl)but-3-en-2-ol; 4-(2,6,6-trimethyl-1-	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
withdrawn for all species and categories of animals**

	cyclohexen-1-yl)-3-buten-2-ol; beta-Ionol; / Flavis No. 02.106	
	CAS No. 22094-00-4 / Prenyl ethyl ether / Flavis No. 03.019	All species
	CAS No. 22104-78-5 / Oct-2-en-1-ol / Flavis No. 02.192	All species
	CAS No. 2216-52-6 / d-Neomenthol / Flavis No. 02.063	All species
	CAS No. 2216-69-5 / 1-Methoxynapthalene / Flavis No. 04.075	All species
	CAS No. 2257-09-2 / Phenethyl isothiocyanate / Flavis No. 12.193	All species
	CAS No. 22694-96-8 / 2,4,5-Trimethyl-delta-3-oxazoline / Flavis No. 13.039	All species
	CAS No. 2270-60-2 / Methyl citronellate / Flavis No. 09.517	All species
	CAS No. 227456-27-1 / 3-Mercapto-2-methylpentanol (mixture of stereo isomers) / Flavis No. 12.249	All species
	CAS No. 227456-28-2 / 3-Mercapto-2-methylpentanal / Flavis No. 12.239	All species
	CAS No. 2305-25-1 / Ethyl 3-hydroxyhexanoate / Flavis No. 09.535	All species
	CAS No. 2306-88-9 / Octyl octanoate / Flavis No. 09.114	All species
	CAS No. 2306-91-4 / Isopentyl decanoate / Flavis No. 09.598	All species
	CAS No. 2307-10-0 / Propyl thioacetate / Flavis No. 12.059	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 2311-46-8 / Isopropyl hexanoate / Flavis No. 09.062	All species
	CAS No. 2315-68-6 / Propyl benzoate / Flavis No. 09.776	All species
	CAS No. 23328-62-3 / 2- Methylthioacetaldehyde / Flavis No. 12.040	All species
	CAS No. 233666-01-8 / Hept-4-enyl-2 butyrate / Flavis No. 09.880	All species
	CAS No. 2344-70-9 / 4-phenylbutan-2-ol; Phenylethyl methyl carbinol; Methyl 2-phenylethyl carbinol; / Flavis No. 02.036	All species
	CAS No. 2345-28-0 / Pentadecan-2-one / Flavis No. 07.137	All species
	CAS No. 2349-13-5 / Heptyl isobutyrate / Flavis No. 09.420	All species
	CAS No. 2349-14-6 / Methyl geranate / Flavis No. 09.643	All species
	CAS No. 23726-94-5 / cis-1-(2,6,6-Trimethyl-2- cyclohexen-1-yl)but-2-en-1- one / Flavis No. 07.225	All species
	CAS No. 23747-45-7 / S- Methyl isopentanethioate / Flavis No. 12.157	All species
	CAS No. 2396-77-2 / Methyl-2-hexenoate / Flavis No. 09.181	All species
	CAS No. 2396-78-3 / Methyl hex-3-enoate / Flavis No. 09.267	All species
	CAS No. 2396-84-1 / Ethyl hexa-2,4-dienoate / Flavis No. 09.194	All species



**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
withdrawn for all species and categories of animals**

	CAS No. 2396-85-2 / Methyl oct-2(trans)-enoate / Flavis No. 09.299	All species
	CAS No. 23986-74-5 / Germacra-1(10),4(14),5-triene / Flavis No. 01.042	All species
	CAS No. 2408-37-9 / 2,2,6-Trimethylcyclohexanone / Flavis No. 07.045	All species
	CAS No. 2412-80-8 / Methyl 4-methylvalerate / Flavis No. 09.432	All species
	CAS No. 2438-20-2 / 2-Methylbutyl propionate / Flavis No. 09.665	All species
	CAS No. 2444-46-4 / N-Nonanoyl 4-hydroxy-3-methoxybenzylamide / Flavis No. 16.006	All species
	CAS No. 2445-67-2 / Isobutyl 2-methylbutyrate / Flavis No. 09.585	All species
	CAS No. 2445-69-4 / 2-Methylbutyl isobutyrate / Flavis No. 09.663	All species
	CAS No. 2445-72-9 / Pentyl isobutyrate / Flavis No. 09.418	All species
	CAS No. 2445-76-3 / Hexyl propionate / Flavis No. 09.139	All species
	CAS No. 2445-78-5 / 2-Methylbutyl 2-methylbutyrate / Flavis No. 09.516	All species
	CAS No. 2463-63-0 / 2-Heptenal / Flavis No. 05.070	All species
	CAS No. 2463-77-6 / 2-Undecenal / Flavis No. 05.109	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

## PART A

**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 24653-75-6 / 1-Mercaptopropan-2-one / Flavis No. 12.143	All species
	CAS No. 24717-85-9 / Citronellyl 2-methylbut-2-enoate / Flavis No. 09.340	All species
	CAS No. 2497-21-4 / 4-Hexen-3-one / Flavis No. 07.048	All species
	CAS No. 25152-85-6 / Hex-3-enyl benzoate / Flavis No. 09.806	All species
	CAS No. 252736-36-0 / Furfuryl propyldisulfide / Flavis No. 13.197	All species
	CAS No. 25312-34-9 / 4-(2,6,6-Trimethyl-2-cyclohexenyl)but-3-en-2-ol / Flavis No. 02.105	All species
	CAS No. 2550-26-7 / 4-Phenylbutan-2-one / Flavis No. 07.194	All species
	CAS No. 25524-95-2 / Jasmine lactone / Flavis No. 10.033	All species
	CAS No. 25773-40-4 / 2-Isopropyl-3-methoxypyrazine / Flavis No. 14.057	All species
	CAS No. 258823-39-1 / 2-Mercapto-2-methylpentan-1-ol / Flavis No. 12.241	All species
	CAS No. 2601-13-0 / 2-Methylbutyl hexanoate / Flavis No. 09.662	All species
	CAS No. 2628-17-3 / 4-Vinylphenol / Flavis No. 04.057	All species
	CAS No. 26303-90-2 / Dec-4-enoic acid / Flavis No. 08.075	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
withdrawn for all species and categories of animals**

	CAS No. 26553-47-9 / Ethyl Octenoate-3-trans / Flavis No. 09.377	All species
	CAS No. 26643-91-4 / 4-Methyl-2-phenylpent-2-enal / Flavis No. 05.100	All species
	CAS No. 2679-87-0 / 2-Butyl ethyl ether / Flavis No. 03.005	All species
	CAS No. 27043-05-6 / 2,5-Dimethyl-3-ethylpyrazine / Flavis No. 14.016	All species
	CAS No. 2756-56-1 / Isobornyl propionate / Flavis No. 09.131	All species
	CAS No. 27593-23-3 / 6-Pentyl-2H-pyran-2-one / Flavis No. 10.031	All species
	CAS No. 27829-72-7 / Ethyl trans-2-hexenoate / Flavis No. 09.850	All species
	CAS No. 2785-87-7 / 2-Methoxy-4-propylphenol / Flavis No. 04.049	All species
	CAS No. 28631-86-9 / 2,4-Dihydroxyacetophenone / Flavis No. 07.135	All species
	CAS No. 28839-13-6 / p-Menth-1-en-9-yl acetate / Flavis No. 09.615	All species
	CAS No. 288-47-1 / Thiazole / Flavis No. 15.028	All species
	CAS No. 29021-36-1 / Myrtanyl acetate / Flavis No. 09.670	All species
	CAS No. 290-39-9 / Pyrazine / Flavis No. 14.144	All species
	CAS No. 29350-73-0 / delta-Cadinene / Flavis No. 01.021	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

## PART A

**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 29460-90-0 / Isopropylpyrazine / Flavis No. 14.123	All species
	CAS No. 29548-14-9 / p-Menth-1-en-9-al / Flavis No. 05.098	All species
	CAS No. 29548-30-9 / 3,7,11-Trimethyldodeca-2,6,10-trienyl acetate / Flavis No. 09.818	All species
	CAS No. 29811-50-5 / Octyl 2-methylbutyrate / Flavis No. 09.537	All species
	CAS No. 29926-41-8 / 2-Acetyl-2-thiazoline / Flavis No. 15.010	All species
	CAS No. 29957-43-5 / 3,7-Dimethylocta-1,5,7-trien-3-ol / Flavis No. 02.146	All species
	CAS No. 301-00-8 / Methyl linolenate / Flavis No. 09.646	All species
	CAS No. 302-72-7 / Alanine / Flavis No. 17.024	All species
	CAS No. 3033-23-6 / 2S-cis-Tetrahydro-4-methyl-2-(2-methyl-1-propenyl)-2H-pyran / Flavis No. 13.170	All species
	CAS No. 30361-28-5 / Octa-2(trans),4(trans)-dial / Flavis No. 05.127	All species
	CAS No. 30390-50-2 / 4-Decenal / Flavis No. 05.096	All species
	CAS No. 30453-31-7 / Ethyl propyl disulfide / Flavis No. 12.126	All species
	CAS No. 3054-92-0 / 2,3,4-Trimethyl-3-pentanol	All species
	CAS No. 30673-60-0 / Propyl decanoate / Flavis No. 09.700	All species

*Changes to legislation: There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)*

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 3142-66-3 / 3-Hydroxypentan-2-one / Flavis No. 07.125	All species
	CAS No. 3149-28-8 / 2-Methoxy-1,4-diazine / Flavis No. 14.054	All species
	CAS No. 31499-70-4 / Ethyl propyl trisulfide / Flavis No. 12.256	All species
	CAS No. 31499-71-5 / Methyl ethyl trisulfide / Flavis No. 12.155	All species
	CAS No. 31499-72-6 / Dihydro-alpha-ionone / Flavis No. 07.132	All species
	CAS No. 31502-14-4 / Non-2(trans)-en-1-ol / Flavis No. 02.090	All species
	CAS No. 3208-16-0 / 2-Ethylfuran / Flavis No. 13.092	All species
	CAS No. 326-61-4 / Piperonyl acetate / Flavis No. 09.220	All species
	CAS No. 32665-23-9 / Isopropyl isovalerate / Flavis No. 09.450	All species
	CAS No. 32736-91-7 / 2,5-Diethyl-3-methylpyrazine / Flavis No. 14.096	All species
	CAS No. 3293-47-8 / Dihydro-beta-ionol / Flavis No. 02.107	All species
	CAS No. 32951-19-2 / 1-Buten-1-yl methyl sulfide / Flavis No. 12.211	All species
	CAS No. 33046-81-0 / 7-Methyl-3-octenone-2; (E)-7-Methyl-3-octen-2-one / Flavis No. 07.177	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 33049-93-3 / S-Prenyl thioacetate / Flavis No. 12.195	All species
	CAS No. 33467-74-2 / Hex-3(cis)-enyl propionate / Flavis No. 09.564	All species
	CAS No. 33855-57-1 / Hexyl 2-hexenoate / Flavis No. 09.292	All species
	CAS No. 33922-73-5 / Allyl propyl trisulfide / Flavis No. 12.100	All species
	CAS No. 34047-39-7 / 4-(Methylthio)butan-2-one / Flavis No. 12.057	All species
	CAS No. 34135-85-8 / Methyl allyl trisulfide / Flavis No. 12.045	All species
	CAS No. 34300-94-2 / 3-Mercapto-3-methylbutan-1-ol / Flavis No. 12.137	All species
	CAS No. 34322-09-3 / S-2-Butyl 3-methylbut-2-enethioate / Flavis No. 12.105	All species
	CAS No. 34495-71-1 / Ethyl oct-4-enoate / Flavis No. 09.265	All species
	CAS No. 3452-97-9 / 3,5,5-trimethylhexan-1-ol; Trimethylhexyl alcohol; Isononanol / Flavis No. 02.055	All species
	CAS No. 3487-99-8 / Pentyl cinnamate / Flavis No. 09.735	All species
	CAS No. 35044-63-4 / alpha-Damascenone / Flavis No. 07.231	All species
	CAS No. 35073-27-9 / 2-Methylbutyl formate / Flavis No. 09.661	All species

*Changes to legislation: There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)*

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 35234-22-1 / Methyl 5-acetoxyhexanoate / Flavis No. 09.632	All species
	CAS No. 352-93-2 / Diethyl Sulfide / Flavis No. 12.113	All species
	CAS No. 35448-31-8 / N-Isopentylidene isopentylamine / Flavis No. 11.017	All species
	CAS No. 3581-91-7 / 4,5-Dimethylthiazole / Flavis No. 15.017	All species
	CAS No. 35852-46-1 / Hex-3-enyl valerate / Flavis No. 09.571	All species
	CAS No. 3600-24-6 / Diethyl trisulfide / Flavis No. 12.114	All species
	CAS No. 36653-82-4 / Decanhexan-1-ol; Cethyl Alcohol; Alcohol C-16; n-hexadecyl alcohol; palmityl alcohol / Flavis No. 02.009	All species
	CAS No. 36701-01-6 / Furfuryl valerate / Flavis No. 13.068	All species
	CAS No. 36789-59-0 / alpha-Campholene acetate / Flavis No. 09.289	All species
	CAS No. 3681-82-1 / 1-Methoxy-2-methylbenzene / Flavis No. 04.014	All species
	CAS No. 37064-20-3 / Propyl 2-methylbutyrate / Flavis No. 09.698	All species
	CAS No. 3724-65-0 / But-2-enoic acid / Flavis No. 08.072	All species
	CAS No. 37526-88-8 / Benzyl 2-methylcrotonate / Flavis No. 09.494	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 37617-03-1 / Undec-2-en-1-ol / Flavis No. 02.210	All species
	CAS No. 37674-63-8 / 2- Methylpent-3-enoic acid / Flavis No. 08.058	All species
	CAS No. 3777-71-7 / 2-Heptylfuran / Flavis No. 13.069	All species
	CAS No. 3782-00-1 / 2,3- Dimethylbenzofuran / Flavis No. 13.074	All species
	CAS No. 3796-70-1 / Geranylacetone / Flavis No. 07.123	All species
	CAS No. 38433-74-8 / 3- Methyl thiohexanal	All species
	CAS No. 3848-24-6 / Hexan-2,3-dione / Flavis No. 07.018	All species
	CAS No. 38888-81-2 / 2- isobutyl-3,5(6)-dimethyl pyrazine	All species
	CAS No. 38917-61-2 / 5,6- Dimethyldihydrocyclopentapyrazine / Flavis No. 14.102	All species
	CAS No. 38917-62-3 / 6,7- Dihydro-2,3-dimethyl-5H- cyclopentapyrazine / Flavis No. 14.098	All species
	CAS No. 39026-94-3 / Hept-2-yl butyrate / Flavis No. 09.923	All species
	CAS No. 3913-80-2 / Oct-2-enyl acetate / Flavis No. 09.276	All species
	CAS No. 3915-83-1 / Neryl isovalerate / Flavis No. 09.471	All species



**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
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	CAS No. 39212-23-2 / 3-Methyloctano-1,4-lactone / Flavis No. 10.053	All species
	CAS No. 39748-49-7 / 3-Methyl-2-oxovaleric acid / Flavis No. 08.093	All species
	CAS No. 39770-05-3 / Dec-9-enal / Flavis No. 05.139	All species
	CAS No. 39924-52-2 / Methyl 3-oxo-2-pent-2-enyl-1-cyclopentylacetate / Flavis No. 09.521	All species
	CAS No. 40348-72-9 / Methyl 2-hydroxy-4-methylvalerate / Flavis No. 09.548	All species
	CAS No. 40716-66-3 / trans-3,7,11-Trimethyldodeca-1,6,10-trien-3-ol / Flavis No. 02.232	All species
	CAS No. 4077-47-8 / 2,5-Dimethyl-4-methoxyfuran-3(2H)-one / Flavis No. 13.089	All species
	CAS No. 40878-72-6 / 2-(Methylthiomethyl)but-2-enal / Flavis No. 12.079	All species
	CAS No. 4104-45-4 / 3-methyl-thiopropyl-amine / Flavis No. 12186	All species
	CAS No. 41199-19-3 / 1,2,3,4,4a,5,6,7-octahydro-2,5,5-trimethylnaphthalen-2-ol; Ambrinol; 2,5,5-Trimethyl-2-hydroxyoctalin / Flavis No. 02.197	All species
	CAS No. 41239-48-9 / 2,5-Diethyltetrahydrofuran / Flavis No. 13.095	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 4170-30-3 / But-2-enal / Flavis No. 05.135	All species
	CAS No. 4175-66-0 / 2,5-Dimethylthiazole / Flavis No. 15.063	All species
	CAS No. 4208-49-5 / Allyl 2-furoate / Flavis No. 13.004	All species
	CAS No. 4219-24-3 / Hex-3-enoic acid / Flavis No. 08.050	All species
	CAS No. 42436-07-7 / Hex-3(cis)-enyl phenylacetate / Flavis No. 09.805	All species
	CAS No. 42474-44-3 / 2,3,5-Trithiahexane / Flavis No. 12.198	All species
	CAS No. 4253-89-8 / Diisopropyl disulfide / Flavis No. 12.109	All species
	CAS No. 4265-97-8 / Heptyl octanoate / Flavis No. 09.118	All species
	CAS No. 43219-68-7 / 1-(1,4-Dimethylcyclohex-3-en-1-yl)ethan-1-one / Flavis No. 07.116	All species
	CAS No. 432-24-6 / 2,6,6-trimethylcyclohex-2-ene-1-carbaldehyde; beta-Cyclocitral / Flavis No. 05.182	All species
	CAS No. 4410-99-5 / 2-Phenylethane-1-thiol / Flavis No. 12.194	All species
	CAS No. 4411-89-6 / 2-Phenylcrotonaldehyde / Flavis No. 05.062	All species
	CAS No. 4440-65-7 / 3-hexenal; hex-3-enal / Flavis No. 05.192	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
 Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
 withdrawn for all species and categories of animals**

	CAS No. 4455-13-4 / Ethyl 2-(methylthio)acetate / Flavis No. 12.122	All species
	CAS No. 4493-42-9 / Methyl deca-2,4-dienoate / Flavis No. 09.639	All species
	CAS No. 4501-58-0 / 2,2,3-Trimethylcyclopent-3-en-1-yl acetaldehyde / Flavis No. 05.119	All species
	CAS No. 4536-23-6 / 2-Methylhexanoic acid / Flavis No. 08.035	All species
	CAS No. 4606-15-9 / Propyl phenylacetate / Flavis No. 09.702	All species
	CAS No. 4630-82-4 / Methyl cyclohexanecarboxylate / Flavis No. 09.536	All species
	CAS No. 463-40-1 / Octadeca-9,12,15-trienoic acid / Flavis No. 08.106	All species
	CAS No. 4634-89-3 / Hex-4-enal / Flavis No. 05.113	All species
	CAS No. 4643-25-8 / Hept-2-en-4-one / Flavis No. 07.104	All species
	CAS No. 4643-27-0 / Oct-2-en-4-one / Flavis No. 07.082	All species
	CAS No. 469-61-4 / alpha-Cedrene / Flavis No. 01.022	All species
	CAS No. 470-67-7 / 1,4-Cineole / Flavis No. 03.007	All species
	CAS No. 472-66-2 / 2,6,6-trimethyl-1-cyclohexene-1-acetaldehyde; beta-Homocyclocitral; / Flavis No. 05.112	All species
	CAS No. 473-67-6 / 4,6,6-Trimethylbicyclo[3.1.1]hept-3-en-2-one; 4,6,6-	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	trimethylbicyclo[3.1.1]hept-3-en-2-ol; Verbenol; 4-Hydroxy-2,6,6-trimethylbicyclo[3.1.1]hept-2-ene; d-Verbenol; 2-Pinenol-4; Pin-2-en-4-ol / Flavis No. 02.101	
	CAS No. 4748-78-1 / 4-Ethylbenzaldehyde / Flavis No. 05.068	All species
	CAS No. 475-20-7 / Longifolene / Flavis No. 01.047	All species
	CAS No. 4798-44-1 / Hex-1-en-3-ol / Flavis No. 02.104	All species
	CAS No. 4798-61-2 / Oct-2-en-4-ol / Flavis No. 02.193	All species
	CAS No. 4864-61-3 / 3-Octyl acetate / Flavis No. 09.254	All species
	CAS No. 4887-30-3 / Octyl hexanoate / Flavis No. 09.677	All species
	CAS No. 491-04-3 / p-Menth-1-en-3-ol / Flavis No. 02.083	All species
	CAS No. 491-09-8 / p-Mentha-1,4(8)-dien-3-one / Flavis No. 07.127	All species
	CAS No. 494-90-6 / Menthofuran / Flavis No. 13.035	All species
	CAS No. 495-61-4 / beta-Bisabolene / Flavis No. 01.028	All species
	CAS No. 496-77-5 / 5-Hydroxyoctan-4-one / Flavis No. 07.065	All species
	CAS No. 497-03-0 / 2-Methylcrotonaldehyde / Flavis No. 05.095	All species
	CAS No. 498-00-0 / 4-Hydroxy-3-methoxybenzyl	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
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	alcohol, vanillyl alcohol / Flavis No. 02.213	
	CAS No. 498-02-2 / Acetovanillone / Flavis No. 07.142	All species
	CAS No. 499-12-7 / Prop-1- ene-1,2,3-tricarboxylic acid / Flavis No. 08.033	All species
	CAS No. 499-70-7 / p- Menthan-2-one / Flavis No. 07.092	All species
	CAS No. 500-02-7 / 4- Isopropylcyclohex-2-en-1- one / Flavis No. 07.172	All species
	CAS No. 501-52-0 / 2- Phenylpropionic acid / Flavis No. 08.032	All species
	CAS No. 502-61-4 / alpha- Farnesene / Flavis No. 01.040	All species
	CAS No. 505-29-3 / 1,4- Dithiane / Flavis No. 15.066	All species
	CAS No. 505-79-3 / 3-(Methylthio)propyl isothiocyanate / Flavis No. 12.030	All species
	CAS No. 5077-67-8 / 1- Hydroxybutan-2-one / Flavis No. 07.090	All species
	CAS No. 5090-41-5 / 9-Octadecenal / Flavis No. 05.203	All species
	CAS No. 51100-54-0 / Dec-1-en-3-ol / Flavis No. 02.136	All species
	CAS No. 5137-52-0 / Pentyl phenylacetate / Flavis No. 09.761	All species
	CAS No. 513-85-9 / Butane-2,3-diol / Flavis No. 02.133	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 515-00-4 / 2-Hydroxymethyl-6,6-dimethyl-bicyclo[3.1.1]hept-2-ene; (-)-pin-2-ene-10-ol; 6,6-Dimethyl-2-oxomethylbicyclo[1,3,3]-hept-2-ene; 10-Hydroxy-2-pinene; 2-pinen-10-ol; Myrtenol / Flavis No. 02.091	All species
	CAS No. 515-03-7 / 4,6,10,10-Tetramethyl-5-(3,3-dimethylpent-4-enyl)-bicyclo[4.4.0]decan-4-ol; tradename sclareol / Flavis No. 02.206	All species
	CAS No. 51534-66-8 / Methyl 2-(methylthio)butyrate / Flavis No. 12.086	All species
	CAS No. 515-69-5 / 6-Methyl-2-(4-methylcyclohex-3-enyl)hept-5-en-2-ol; alpha-Bisabolol; (R*,R*)-.alpha.,4-dimethyl-.alpha.-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol; Bisabola-1,12-dien-8-ol / Flavis No. 02.129	All species
	CAS No. 5166-53-0 / 5-Methylhex-3-en-2-one / Flavis No. 07.106	All species
	CAS No. 51755-83-0 / 3-Mercaptohexan-1-ol / Flavis No. 12.217	All species
	CAS No. 51755-85-2 / 3-(Methylthio)hexyl acetate / Flavis No. 12.236	All species
	CAS No. 5205-07-2 / 3-Methylbut-3-enyl acetate / Flavis No. 09.655	All species
	CAS No. 5205-12-9 / 3-Methylbut-3-enyl benzoate / Flavis No. 09.656	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
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	CAS No. 5271-38-5 / 2-(Methylthio)ethan-1-ol / Flavis No. 12.179	All species
	CAS No. 529-20-4 / o-Tolualdehyde / Flavis No. 05.026	All species
	CAS No. 530-56-3 / 4-Hydroxy-3,5-dimethoxybenzyl alcohol / Flavis No. 02.164	All species
	CAS No. 530-57-4 / 4-Hydroxy-3,5-dimethoxybenzoic acid / Flavis No. 08.087	All species
	CAS No. 5320-75-2 / Cinnamyl benzoate / Flavis No. 09.780	All species
	CAS No. 53263-58-4 / 5-Ethyl-2-hydroxy-3-methylcyclopent-2-en-1-one / Flavis No. 07.118	All species
	CAS No. 53398-80-4 / Hex-2(trans)-enyl propionate / Flavis No. 09.395	All species
	CAS No. 53398-85-9 / cis-3-Hexenyl 2-methylbutanoate / Flavis No. 09.854	All species
	CAS No. 53398-86-0 / Hex-2-enyl hexanoate / Flavis No. 09.398	All species
	CAS No. 53398-87-1 / Hex-3-enyl hex-2-enoate / Flavis No. 09.568	All species
	CAS No. 534-15-6 / 1,1-Dimethoxyethane / Flavis No. 06.015	All species
	CAS No. 5362-56-1 / 4-Methylpent-2-enal / Flavis No. 05.114	All species
	CAS No. 536-50-5 / 1-(4-Methylphenyl)ethan-1-ol;	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	p-alpha-Dimethylbenzyl alcohol; p-Tolyl methyl carbinol; 1-p-Tolyl-1-ethanol; p-Tolyl methyl carbinol / Flavis No. 02.080	
	CAS No. 536-59-4 / p-Mentha-1,8-dien-7-ol / Flavis No. 02.060	All species
	CAS No. 538-65-8 / Butyl cinnamate / Flavis No. 09.733	All species
	CAS No. 539-30-0 / Benzyl ethyl ether / Flavis No. 03.003	All species
	CAS No. 5396-89-4 / Benzyl 3-oxobutyrate / Flavis No. 09.406	All species
	CAS No. 540-42-1 / Isobutyl propionate / Flavis No. 09.125	All species
	CAS No. 5405-41-4 / Ethyl 3-hydroxybutyrate / Flavis No. 09.522	All species
	CAS No. 541-47-9 / 3-Methylcrotonic acid / Flavis No. 08.070	All species
	CAS No. 541-58-2 / 2,4-Dimethylthiazole / Flavis No. 15.062	All species
	CAS No. 541-85-5 / 5-Methylheptan-3-one / Flavis No. 07.182	All species
	CAS No. 541-91-3 / 3-Methylcyclopentadecan-1-one, Muscone / Flavis No. 07.111	All species
	CAS No. 542-46-1 / Cycloheptadec-9-en-1-one / Flavis No. 07.110	All species
	CAS No. 542-55-2 / Isobutyl formate / Flavis No. 09.164	All species



*Changes to legislation: There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)*

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 543-49-7 / Heptan-2-ol / Flavis No. 02.045	All species
	CAS No. 544-12-7 / hex-3-en-1-ol; Leaf alcohol; beta-gamma-hexenol; cis-3-hexenol / Flavis No. 02.159	All species
	CAS No. 5451-80-9 / Heptyl valerate / Flavis No. 09.393	All species
	CAS No. 5452-75-5 / Ethyl cyclohexyl acetate / Flavis No. 09.829	All species
	CAS No. 5454-09-1 / Decyl butyrate / Flavis No. 09.047	All species
	CAS No. 5454-19-3 / Decyl propionate / Flavis No. 09.127	All species
	CAS No. 5454-28-4 / Butyl heptanoate / Flavis No. 09.091	All species
	CAS No. 5461-06-3 / Isobutyl caprylate / Flavis No. 09.593	All species
	CAS No. 54644-28-9 / cis-trans-3,5-Diethyl-1,2,4-trithiolane / Flavis No. 15.049	All species
	CAS No. 54653-25-7 / Ethyl 5-hexanoate / Flavis No. 09.921	All species
	CAS No. 5466-06-8 / Ethyl 3-mercaptopropionate / Flavis No. 12.083	All species
	CAS No. 546-79-2 / 1-Isopropyl-4-methylbicyclo[3.1.0]hexan-4-ol; Sabinene hydrate; Thujan-4-ol / Flavis No. 02.085	All species
	CAS No. 54717-17-8 / Dihydro-2,4,6-	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	triethyl-1,3,5(4H)-dithiazine / Flavis No. 15.054	
	CAS No. 547-63-7 / Methyl isobutyrate / Flavis No. 09.412	All species
	CAS No. 54814-64-1 / Dec-2-eno-1,5-lactone / Flavis No. 10.037	All species
	CAS No. 551-93-9 / 2-Aminoacetophenone / Flavis No. 11.008	All species
	CAS No. 55195-23-8 / 2-Methylbutyl decanoate / Flavis No. 09.660	All species
	CAS No. 55253-28-6 / 5-Isopropenyl-2-methylcyclopentanecarboxaldehyde / Flavis No. 05.123	All species
	CAS No. 554-14-3 / 2-Methylthiophene / Flavis No. 15.091	All species
	CAS No. 55418-52-5 / Piperonyl acetone / Flavis No. 07.031	All species
	CAS No. 555-10-2 / p-mentha-1(7),2-diene; beta-phellendrene / Flavis No. 01.055	All species
	CAS No. 5552-30-7 / 6,7,8,8 <sup>a</sup> -Tetrahydro-2,5,5,8 <sup>a</sup> -tetramethyl-5H-1-benzopyran / Flavis No. 13.165	All species
	CAS No. 556-82-1 / 3-methylbut-2-en-1-ol; Prenol / Flavis No. 02.109	All species
	CAS No. 557-00-6 / Propyl isovalerate / Flavis No. 09.448	All species
	CAS No. 55719-85-2 / Phenethyl 2-	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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	methylcrotonate / Flavis No. 09.496	
	CAS No. 5577-44-6 / 2,4-Octadienal / Flavis No. 05.186	All species
	CAS No. 56001-43-5 / Nerolidyl acetate / Flavis No. 09.671	All species
	CAS No. 564-20-5 / Sclareolide / Flavis No. 16.055	All species
	CAS No. 564-94-3 / Myrtenal / Flavis No. 05.106	All species
	CAS No. 56767-18-1 / Octa-2(trans),6(trans)-dienal / Flavis No. 05.111	All species
	CAS No. 56-87-1 / l-Lysine / Flavis No. 17.026	All species
	CAS No. 56-89-3 / Cystine / Flavis No. 17.006	All species
	CAS No. 57-11-4 / Octadecanoic acid / Flavis No. 08.015	All species
	CAS No. 5718-75-2 / Thiocineol	All species
	CAS No. 5724-81-2 / 1- pyrroline / Flavis No. 14.167	All species
	CAS No. 57576-09-7 / Isopulegyl acetate / Flavis No. 09.219	All species
	CAS No. 579-07-7 / 1- Phenylpropan-1,2-dione / Flavis No. 07.079	All species
	CAS No. 58-08-2 / Caffeine / Flavis No. 16.016	All species
	CAS No. 583-60-8 / 2- Methylcyclohexanone / Flavis No. 07.179	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 5837-78-5 / Ethyl 2-methylcrotonate / Flavis No. 09.495	All species
	CAS No. 585-25-1 / Octan-2,3-dione / Flavis No. 07.248	All species
	CAS No. 586-82-3 / 4-Isopropyl-1-methyl-3-cyclohexen-1-ol; 1-Methyl-4-isopropyl-3-cyclohexen-1-ol; 1-Terpinenol / Flavis No. 02.096	All species
	CAS No. 5870-68-8 / Ethyl 3-methylvalerate / Flavis No. 09.541	All species
	CAS No. 5870-93-9 / Heptyl butyrate / Flavis No. 09.166	All species
	CAS No. 589-35-5 / 3-Methylpentan-1-ol / Flavis No. 02.115	All species
	CAS No. 589-38-8 / Hexan-3-one / Flavis No. 07.096	All species
	CAS No. 589-66-2 / Isobutyl crotonate / Flavis No. 09.273	All species
	CAS No. 589-75-3 / Butyl octanoate / Flavis No. 09.209	All species
	CAS No. 589-82-2 / Heptan-3-ol / Flavis No. 02.044	All species
	CAS No. 590-01-2 / Butyl propionate / Flavis No. 09.124	All species
	CAS No. 5905-46-4 / Prop-1-enyl propyl disulfide / Flavis No. 12.044	All species
	CAS No. 5905-47-5 / Methyl prop-1-enyl disulfide / Flavis No. 12.075	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
 Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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	CAS No. 591-12-8 / 5-Methylfuran-2(3H)-one / Flavis No. 10.012	All species
	CAS No. 591-24-2 / 3-Methylcyclohexanone / Flavis No. 07.180	All species
	CAS No. 5921-82-4 / 2-Heptyl acetate / Flavis No. 09.388	All species
	CAS No. 5921-83-5 / (+/-)-3-Heptyl acetate / Flavis No. 09.924	All species
	CAS No. 592-20-1 / 2-Oxopropyl acetate / Flavis No. 09.185	All species
	CAS No. 592-84-7 / Butyl formate / Flavis No. 09.163	All species
	CAS No. 59324-17-3 / trans-Methyl-4-propyl-1,3-oxathiane / Flavis No. 16.062	All species
	CAS No. 5947-36-4 / 3-Hydroxy-6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane; 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptan-3-ol; 2(10)-Pinen-3-ol; 6,6-Dimethyl-3-hydroxy-2-methylenebicyclo[3.1.1]heptane; 2(10)-Pinenol-3; Pinocarveol / Flavis No. 02.100	All species
	CAS No. 59-51-8 / (d, l-) Methionine / Flavis No. 17.014	All species
	CAS No. 5953-49-1 / sec-Hexyl acetate / Flavis No. 09.576	All species
	CAS No. 5986-55-0 / Patchoulol / Flavis No. 02.199	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 598-75-4 / 3-Methylbutan-2-ol / Flavis No. 02.111	All species
	CAS No. 5989-33-3 / 5(2-Hydroxyisopropyl)-2-methyl-2-vinyltetrahydrofuran / Flavis No. 13096	All species
	CAS No. 59902-01-1 / 2,8-Dithianon-4-en-4-carboxaldehyde / Flavis No. 12.065	All species
	CAS No. 600-18-0 / 2-Oxobutyric acid / Flavis No. 08.066	All species
	CAS No. 60066-88-8 / beta-Sinensal / Flavis No. 05.178	All species
	CAS No. 60-33-3 / Octadeca-9,12-dienoic acid / Flavis No. 08.041	All species
	CAS No. 60415-61-4 / 1-Methylbutyl butyrate / Flavis No. 09.658	All species
	CAS No. 606-45-1 / Methyl 2-methoxybenzoate / Flavis No. 09.796	All species
	CAS No. 6066-49-5 / 3-Butylphthalide / Flavis No. 10.025	All species
	CAS No. 60826-15-5 / Nonan-3-yl acetate / Flavis No. 09.925	All species
	CAS No. 61122-71-2 / S-Methyl 4-methyl pentanthioate / Flavis No. 12.148	All species
	CAS No. 6119-47-7 / Quinine monohydrochloride dihydrate / Flavis No. 14.155	All species
	CAS No. 6119-70-6 / Quinine sulphate / Flavis No. 14.152	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
withdrawn for all species and categories of animals**

	CAS No. 6126-50-7 / Hex-4-en-1-ol / Flavis No. 02.074	All species
	CAS No. 613-70-7 / 2-Methoxyphenyl acetate / Flavis No. 09.174	All species
	CAS No. 614-33-5 / Glyceryl tribenzoate / Flavis No. 09.812	All species
	CAS No. 61444-38-0 / Hex-3-enyl hex-3-enoate / Flavis No. 09.291	All species
	CAS No. 617-35-6 / Ethyl pyruvate / Flavis No. 09.442	All species
	CAS No. 617-50-5 / Isopropyl isobutyrate / Flavis No. 09.415	All species
	CAS No. 619-01-2 / p-menth-8-en-2-ol; 8-p-Menthen-2-ol; 6-Methyl-3-isopropenylcyclohexanol; dihydro carveol / Flavis No. 02.061	All species
	CAS No. 6191-71-5 / cis-4-heptenol	All species
	CAS No. 620-23-5 / m-Tolualdehyde / Flavis No. 05.028	All species
	CAS No. 622-39-9 / 2-Propylpyridine / Flavis No. 14.164	All species
	CAS No. 623-05-2 / 4-Hydroxybenzyl alcohol / Flavis No. 02.165	All species
	CAS No. 623-19-8 / Furfuryl propionate / Flavis No. 13.062	All species
	CAS No. 623-36-9 / 2-Methylpent-2-enal / Flavis No. 05.090	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

## PART A

**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 623-37-0 / Hexan-3-ol / Flavis No. 02.089	All species
	CAS No. 624-13-5 / Propyl octanoate / Flavis No. 09.816	All species
	CAS No. 624-24-8 / Methyl valerate / Flavis No. 09.182	All species
	CAS No. 624-54-4 / Pentyl propionate / Flavis No. 09.135	All species
	CAS No. 62488-56-6 / Nona-2,4-dien-1-ol / Flavis No. 02.188	All species
	CAS No. 624-89-5 / Methyl ethyl sulfide / Flavis No. 12.154	All species
	CAS No. 625-33-2 / Pent-3-en-2-one / Flavis No. 07.044	All species
	CAS No. 625-55-8 / Isopropyl formate / Flavis No. 09.165	All species
	CAS No. 6258-63-5 / 2-Thiophenemethanethiol / Flavis No. 15.108	All species
	CAS No. 6261-18-3 / trans-3-Methyl-2-(2-pentenyl)-2-cyclopenten-1-one / Flavis No. 07.219	All species
	CAS No. 626-38-0 / 1-Methylbutyl acetate / Flavis No. 09.657	All species
	CAS No. 626-82-4 / Butyl hexanoate / Flavis No. 09.063	All species
	CAS No. 628-46-6 / 5-Methylhexanoic acid / Flavis No. 08.061	All species
	CAS No. 628-63-7 / Pentyl acetate / Flavis No. 09.021	All species
	CAS No. 628-99-9 / Nonan-2-ol / Flavis No. 02.087	All species



**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
withdrawn for all species and categories of animals**

	CAS No. 6290-37-5 / 2-Phenethyl hexanoate / Flavis No. 09.261	All species
	CAS No. 629-33-4 / Hexyl formate / Flavis No. 09.161	All species
	CAS No. 63253-24-7 / 4-(4,5-Dimethyl-1,3-dioxolan-2-yl)-2-methoxyphenol; Vanillin butan-2,3-diol acetal (mixture of stereo isomers) / Flavis No. 06.132	All species
	CAS No. 637-78-5 / Isopropyl propionate / Flavis No. 09.123	All species
	CAS No. 637-84-7 / 2,6-Dimethylocta-2,4,6-triene / Flavis No. 01.035	All species
	CAS No. 6379-73-3 / Carvacryl methyl ether / Flavis No. 04.059	All species
	CAS No. 6380-23-0 / 1,2-Dimethoxy-4-vinylbenzene / Flavis No. 04.040	All species
	CAS No. 638-11-9 / Isopropyl butyrate / Flavis No. 09.041	All species
	CAS No. 638-17-5 / 2,4,6-Trimethyldihydro-1,3,5(4H)-dithiazine / Flavis No. 15.109	All species
	CAS No. 638-25-5 / Pentyl octanoate / Flavis No. 09.112	All species
	CAS No. 638-49-3 / Pentyl formate / Flavis No. 09.159	All species
	CAS No. 63986-03-8 / Butyl ethyl disulfide / Flavis No. 12.254	All species
	CAS No. 64-04-0 / Phenethylamine / Flavis No. 11.006	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 64275-73-6 / Oct-5(cis)-en-1-ol / Flavis No. 02.113	All species
	CAS No. 644-49-5 / Propyl isobutyrate / Flavis No. 09.414	All species
	CAS No. 645-13-6 / 4-Isopropylacetophenone / Flavis No. 07.042	All species
	CAS No. 646-07-1 / 4-Methylvaleric acid / Flavis No. 08.057	All species
	CAS No. 65405-70-1 / Dec-4(trans)-enal / Flavis No. 05.138	All species
	CAS No. 65405-77-8 / Hex-3-enyl salicylate / Flavis No. 09.570	All species
	CAS No. 65405-80-3 / Hex-3-enyl but-2-enoate / Flavis No. 09.566	All species
	CAS No. 65416-59-3 / 6-Methylene-2,10,10-trimethyl-1-oxaspiro[4.5]dec-7-ene / Flavis No. 16.054	All species
	CAS No. 65620-50-0 / 6-Hydroxydihydrotheaspirane / Flavis No. 13.076	All species
	CAS No. 65817-24-5 / Dimethyl-3,6-benzo-2(3H)-furanone; 2-(4-Methyl-2-hydroxyphenyl) propionic acid-gamma-lactone	All species
	CAS No. 65894-83-9 / 4,5-Dimethyl-2-isobutyl-3-thiazoline / Flavis No. 15.032	All species
	CAS No. 6624-71-1 / Dodecyl isobutyrate / Flavis No. 09.523	All species
	CAS No. 6638-05-7 / 4-Methyl-2,6-	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
withdrawn for all species and categories of animals**

	dimethoxyphenol / Flavis No. 04.053	
	CAS No. 67114-38-9 / Gamma Jasmolactone; Dec-7-eno-1,4-lactone / Flavis No. 10.038	All species
	CAS No. 67121-39-5 / 2- Methylbutyl octanoate / Flavis No. 09.664	All species
	CAS No. 67452-27-1 / cis-4- Decenyl acetate / Flavis No. 09.918	All species
	CAS No. 6753-98-6 / 3,7,10- Humulatriene / Flavis No. 01.043	All species
	CAS No. 67633-97-0 / 3- Mercaptopentan-2-one / Flavis No. 12.031	All species
	CAS No. 67-64-1 / Acetone / Flavis No. 07.050	All species
	CAS No. 67663-01-8 / 3- Methyl-gamma-decalactone / Flavis No. 10.069	All species
	CAS No. 6766-82-1 / 2,6- Dimethoxy-4-propylphenol / Flavis No. 04.056	All species
	CAS No. 67860-38-2 / 1- (2-methyl-4-pyrimidinyl)- Ethanone / Flavis No. 14.070	All species
	CAS No. 6789-88-4 / Hexyl benzoate / Flavis No. 09.768	All species
	CAS No. 68039-26-9 / Pentyl 2-methylbutyrate / Flavis No. 09.679	All species
	CAS No. 6812-78-8 / (S)-3,7-Dimethyl-7-octen-1- ol / Flavis No. 02.228	All species
	CAS No. 68133-76-6 / Hex-3-enyl 2-oxopropionate / Flavis No. 09.565	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 68227-51-0 / 2-Methyl-5-oxocyclopent-1-enyl butyrate / Flavis No. 09.654	All species
	CAS No. 68378-13-2 / 2-Methoxy-(3,5 or 6)-methylpyrazine / Flavis No. 14.076	All species
	CAS No. 68480-28-4 / 3-Methylbut-2-enyl formate / Flavis No. 09.694	All species
	CAS No. 68698-59-9 / Hex-2-enyl isovalerate / Flavis No. 09.399	All species
	CAS No. 68922-10-1 / Citronellyl isovalerate / Flavis No. 09.460	All species
	CAS No. 689-89-4 / Methyl hexa-2,4-dienoate / Flavis No. 09.300	All species
	CAS No. 6915-15-7 / 1-Malic acid / Flavis No. 08.017	All species
	CAS No. 693-95-8 / 4-Methylthiazole / Flavis No. 15.035	All species
	CAS No. 6963-56-0 / p-Anisyl butyrate / Flavis No. 09.058	All species
	CAS No. 69-72-7 / Salicylic acid / Flavis No. 08.112	All species
	CAS No. 6975-60-6 / 1-(2-Furyl)-propan-2-one / Flavis No. 13.045	All species
	CAS No. 698-27-1 / 2-Hydroxy-4-methylbenzaldehyde / Flavis No. 05.091	All species
	CAS No. 69925-33-3 / Ethyl octa-4,7-dienoate / Flavis No. 09.290	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
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	CAS No. 7011-83-8 / 5-Hexyl-5- methyldihydrofuran-2(3H)- one / Flavis No. 10.051	All species
	CAS No. 70-54-2 / (d,l-) Lysine / Flavis No. 17.013	All species
	CAS No. 7069-41-2 / 2-Tridecenal / Flavis No. 05.195	All species
	CAS No. 71-23-8 / Propan-1- ol / Flavis No. 02.002	All species
	CAS No. 72437-68-4 / Amyl methyl disulfide / Flavis No. 12.253	All species
	CAS No. 72869-75-1 / Diallyl polysulfides / Flavis No. 12.074	All species
	CAS No. 72928-52-0 / Myrtenyl formate / Flavis No. 09.272	All species
	CAS No. 7341-17-5 / 2- Ethylhexane-1-thiol / Flavis No. 12.128	All species
	CAS No. 7367-82-0 / Ethyl oct-2(trans)-enoate / Flavis No. 09.285	All species
	CAS No. 7370-92-5 / 6- Octyl-tetrahydro-pyran-2- one / Flavis No. 10.058	All species
	CAS No. 7392-19-0 / 2,6,6-Trimethyl-2- vinyltetrahydropyran / Flavis No. 13.094	All species
	CAS No. 7402-29-1 / 3- Phenylpropyl butyrate / Flavis No. 09.690	All species
	CAS No. 7416-35-5 / 2,2- Dimethyl-5-(1-methylprop-1- enyl)tetrahydrofuran / Flavis No. 13.090	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 7460-74-4 / Phenethyl valerate / Flavis No. 09.201	All species
	CAS No. 7492-41-3 / Bornyl formate / Flavis No. 09.082	All species
	CAS No. 7493-58-5 / 4-Methylpentan-2,3-dione / Flavis No. 07.063	All species
	CAS No. 7493-82-5 / Pentyl heptanoate / Flavis No. 09.098	All species
	CAS No. 75-08-1 / Ethanethiol / Flavis No. 12.017	All species
	CAS No. 7540-53-6 / Citronellyl valerate / Flavis No. 09.151	All species
	CAS No. 7549-33-9 / p-Anisyl propionate / Flavis No. 09.145	All species
	CAS No. 7549-41-9 / Bornyl valerate / Flavis No. 09.153	All species
	CAS No. 7554-12-3 / Diethyl malate / Flavis No. 09.439	All species
	CAS No. 759-05-7 / 3-Methyl-2-oxobutyric acid / Flavis No. 08.051	All species
	CAS No. 762-29-8 / 6,10,14-Trimethylpentadeca-5,9,13-trien-2-one (Farnesyl acetone) / Flavis No. 07.114	All species
	CAS No. 76238-22-7 / Non-6-enyl acetate / Flavis No. 09.673	All species
	CAS No. 764-39-6 / Pent-2-enal / Flavis No. 05.102	All species
	CAS No. 764-40-9 / Penta-2,4-dienal / Flavis No. 05.101	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
withdrawn for all species and categories of animals**

	CAS No. 76-50-6 / Bornyl isovalerate / Flavis No. 09.456	All species
	CAS No. 76649-23-5 / 3-Methylbut-2-enyl 2- methylpropanoate / Flavis No. 09.695	All species
	CAS No. 76649-25-7 / Nona-3,6-dien-1-ol / Flavis No. 02.189	All species
	CAS No. 76649-26-8 / Nona-3,6-dienyl acetate / Flavis No. 09.674	All species
	CAS No. 7681-88-1 / 2,3- Dihydrofarnesene / Flavis No. 01.032	All species
	CAS No. 77-42-9 / 12- beta-Santalen-14-ol / Flavis No. 02.216	All species
	CAS No. 774-64-1 / 4- Hydroxy-2,3-dimethyl-5- hexenoic acid gamma lactone / Flavis No. 10.042	All species
	CAS No. 77-53-2 / Cedrol / Flavis No. 02.120	All species
	CAS No. 77-54-3 / Cedryl acetate / Flavis No. 09.171	All species
	CAS No. 7764-50-3 / Dihydrocarvone / Flavis No. 07.128	All species
	CAS No. 7774-65-4 / Terpinyl 2- methylpropionate / Flavis No. 09.425	All species
	CAS No. 7778-83-8 / Propyl cinnamate / Flavis No. 09.731	All species
	CAS No. 7778-87-2 / Propyl heptanoate / Flavis No. 09.095	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 7778-96-3 / Rhodinyl isovalerate / Flavis No. 09.465	All species
	CAS No. 7779-23-9 / Linalyl hexanoate / Flavis No. 09.068	All species
	CAS No. 7779-50-2 / Hexadec-6-eno-1,16-lactone / Flavis No. 10.003	All species
	CAS No. 7779-70-6 / 3-Methylbutyl nonanoate / Flavis No. 09.110	All species
	CAS No. 7779-73-9 / Isobornyl isovalerate / Flavis No. 09.457	All species
	CAS No. 7779-80-8 / Isobutyl heptanoate / Flavis No. 09.092	All species
	CAS No. 7779-81-9 / Isobutyl 2-methylbut-2(cis)-enoate / Flavis No. 09.408	All species
	CAS No. 7783-06-4 / Hydrogen sulfide / Flavis No. 16.007	All species
	CAS No. 7785-33-3 / Geranyl 2-methylcrotonate / Flavis No. 09.383	All species
	CAS No. 7785-63-9 / Pentyl 2-methylisocrotonate / Flavis No. 09.680	All species
	CAS No. 7786-47-2 / Nonyl isovalerate / Flavis No. 09.452	All species
	CAS No. 7786-48-3 / Nonyl octanoate / Flavis No. 09.115	All species
	CAS No. 7786-58-5 / Octyl isovalerate / Flavis No. 09.451	All species
	CAS No. 78417-28-4 / Ethyl deca-2,4,7-trienoate / Flavis No. 09.371	All species



**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
withdrawn for all species and categories of animals**

	CAS No. 78-92-2 / Butan-2-ol / Flavis No. 02.121	All species
	CAS No. 79-41-4 / 2-methyl propenoic acid	All species
	CAS No. 79-69-3 / 3,7-Dimethyloctan-3-ol / Flavis No. 02.028	All species
	CAS No. 79-70-9 / 4-(2,5,6,6-Tetramethyl-1-cyclohexenyl)but-3-en-2-one / Flavis No. 07.200	All species
	CAS No. 79-76-5 / gamma-Ionone / Flavis No. 07.091	All species
	CAS No. 80-26-2 / alpha-Terpinyl acetate / Flavis No. 09.015	All species
	CAS No. 80-27-3 / Terpinyl propionate / Flavis No. 09.142	All species
	CAS No. 80417-97-6 / 5,6-Dihydro-3,6-dimethylbenzofuran-2(4H)-one / Flavis No. 10.034	All species
	CAS No. 80-62-6 / Methyl 2-methyl-2-propenoate / Flavis No. 09.647	All species
	CAS No. 80-68-2 / Threonine / Flavis No. 17.021	All species
	CAS No. 816-66-0 / 4-Methyl-2-oxovaleric acid / Flavis No. 08.052	All species
	CAS No. 821-09-0 / Pent-4-en-1-ol / Flavis No. 02.201	All species
	CAS No. 823-22-3 / Hexano-1,5-lactone / Flavis No. 10.010	All species
	CAS No. 83-88-5 / riboflavin	All species
	CAS No. 84060-80-0 / (Z,Z)-3-hexenyl 2-methyl-2-butenate	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 84434-65-1 / (+/-)Octan-3-yl formate / Flavis No. 09.926	All species
	CAS No. 84642-60-4 / Octenyl-2-Butyrate Trans / Flavis No. 09.277	All species
	CAS No. 84642-61-5 / sec-Butan-3-onyl butyrate / Flavis No. 09.264	All species
	CAS No. 84788-08-9 / Propyl-2,4-decadienoate / Flavis No. 09.840	All species
	CAS No. 85409-36-5 / 2-methylbutyrate citronellyl / Flavis No.	All species
	CAS No. 87-22-9 / Phenethyl salicylate / Flavis No. 09.753	All species
	CAS No. 87-25-2 / Ethyl anthranilate / Flavis No. 09.716	All species
	CAS No. 873-94-9 / 3,3,5-Trimethylcyclohexan-1-one / Flavis No. 07.203	All species
	CAS No. 874-66-8 / 3-(2-Furyl)-2-methylprop-2-enal / Flavis No. 13.046	All species
	CAS No. 881-68-5 / Vanillyl acetate / Flavis No. 09.035	All species
	CAS No. 89-74-7 / 2,4-Dimethylacetophenone / Flavis No. 07.023	All species
	CAS No. 89-81-6 / p-Menth-1-en-3-one / Flavis No. 07.175	All species
	CAS No. 89-88-3 / Vetiverol / Flavis No. 02.214	All species
	CAS No. 90-00-6 / 2-Ethyl phenol	All species
	CAS No. 91-16-7 / 1,2-Dimethoxybenzene / Flavis No. 04.062	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances  
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	CAS No. 91-20-3 / Naphthalene; naphthene / Flavis No. 01.053	All species
	CAS No. 91-22-5 / Quinoline / Flavis No. 14.063	All species
	CAS No. 92-52-4 / Biphenyl / Flavis No. 01.013	All species
	CAS No. 927-49-1 / 6- Undecanone / Flavis No. 07.249	All species
	CAS No. 928-80-3 / Decan-3-one / Flavis No. 07.151	All species
	CAS No. 928-94-9 / Hex-2(cis)-en-1-ol / Flavis No. 02.156	All species
	CAS No. 92900-67-9 / Di- isobutyl-1,2,4-trithiolane / Flavis No. 15.047	All species
	CAS No. 929-22-6 / trans-4- Heptenal / Flavis No. 05.086	All species
	CAS No. 932-16-1 / 2- Acetyl-1-methylpyrrole / Flavis No. 14.046	All species
	CAS No. 93-54-9 / 1- phenylpropan-1-ol; Phenyl ethyl carbinol; 1- Phenylpropyl alcohol; alpha- Ethylbenzyl alcohol; Ethyl phenyl carbinol / Flavis No. 02.033	All species
	CAS No. 93-60-7 / Methyl nicotinate / Flavis No. 14.071	All species
	CAS No. 93905-03-4 / 2-Methoxy-3 or 5 or 6-isopropyl pyrazine; 2-Isopropyl-(5 or 6)- methoxypyrazine / Flavis No. 14.078	All species
	CAS No. 939-48-0 / Isopropyl benzoate / Flavis No. 09.770	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CAS No. 94087-83-9 / 4-Methoxy-2-methylbutane-2-thiol / Flavis No. 12.145	All species
	CAS No. 94-26-8 / Butyl 4-hydroxybenzoate / Flavis No. 09.754	All species
	CAS No. 94293-57-9 / 8-Acetylthio-p-menthanone-3 / Flavis No. 12.201	All species
	CAS No. 94-30-4 / Ethyl 4-methoxybenzoate / Flavis No. 09.714	All species
	CAS No. 94-48-4 / 3,7-Dimethylocta-2(trans),6-dienyl benzoate; Geranyl benzoate; trans-3,7-Dimethyl-2,6-octadien-1-yl-benzoate / Flavis No. 09.767	All species
	CAS No. 96-04-8 / Heptan-2,3-dione / Flavis No. 07.064	All species
	CAS No. 96-22-0 / 3-pentanone; Pentan-3-one / Flavis No. 07.084	All species
	CAS No. 96-54-8 / 1-Methylpyrrole; 1-methyl-1H-pyrrole; Methyl Pyrrole / Flavis No. 14.023	All species
	CAS No. 96-54-8 / Methyl Pyrrole / Flavis No. 14.023	All species
	CAS No. 97-87-0 / Butyl isobutyrate / Flavis No. 09.416	All species
	CAS No. 97-89-2 / Citronellyl isobutyrate / Flavis No. 09.421	All species
	CAS No. 97-95-0 / 2-ethyl butanol / Flavis No. 02.043	All species
	CAS No. 97-96-1 / 2-Ethylbutanal / Flavis No. 05.007	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
 Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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	CAS No. 97-99-4 / Tetrahydrofurfuryl alcohol / Flavis No. 13.020	All species
	CAS No. 98-54-4 / 4-(1,1- Dimethylethyl)phenol / Flavis No. 04.064	All species
	CAS No. 99-48-9 / Carveol / Flavis No. 02.062	All species
	CAS No. 99-49-0 / Carvone / Flavis No. 07.012	All species
	CAS No. 99-72-9 / 2-(4- Methylphenyl)propanal; p-methyl-alpha- Methylphenylacetaldehyde; p-methylhydratropaldehyde, 2-(p-tolyl)propionaldehyde / Flavis No. 05.043	All species
	CAS No. 999-40-6 / Neryl butyrate / Flavis No. 09.167	All species
	CAS No. 99-96-7 / 4- Hydroxybenzoic acid / Flavis No. 08.040	All species
	<i>Abelmoschus moschatus</i> Moench., <i>Hibiscus</i> <i>abelmoschus</i> L.: Ambrette seed absolute CAS 8015-62-1 FEMA 2050 CoE 228 Einecs 282-891-8 / Ambrette seed oil CAS 8015-62-1 FEMA 2051 CoE 1 Einecs 282-891-8 / Ambrette seed tincture CAS 84455-19-6 FEMA 2052 CoE 228	All species
	<i>Abies alba</i> Mill., <i>A. sibirica</i> Ledeb.: Abies alba oil from cones CAS 8021-27-0 CoE 2 Einecs 289-870-2 / Abies alba oil from needles CAS 8021-27-0 CoE 2 Einecs 289-870-2 / Pine needle absolute CAS 8021-29-2 FEMA 2905 CoE 5 Einecs 294-351-9 / Abies alba / Pine tincture CoE 2/5	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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	<i>Abies balsamica</i> (L.) Mill.: Balsam fir absolute CAS 8024-15-5 CoE 3 Eines 285-364-0 / Balsam fir oil CAS 8016-42-0 FEMA 2114 CoE 3 / Balsam fir oleoresin CAS 8016-42-0 FEMA 2115 CoE 3	All species
	<i>Abrus precatorius</i> L.: Rosary pea absolute / Rosary pea extract / Rosary pea oil / Rosary pea tincture	All species
	<i>Acacia catechu</i> Willd.: Catechu extract CAS 8001-76-1 FEMA 2264 CoE 6	All species
	<i>Acacia farnesiana</i> (L.) Willd.: Cassie absolute CAS 8023-82-3 FEMA 2260 CoE 8 Eines 289-655-3	All species
	<i>Acacia nilotica</i> (L.) Del. = <i>A. arabica</i> L.: Acacia extract / Acacia tincture	All species
	<i>Acanthea virilis</i> Pharm. ex Wehmer: Muira puama absolute / Muira puama extract / Muira puama oil / Muira puama tincture	All species
	<i>Acer spicatum</i> Lam.: Mountain maple extract CAS 91770-23-9 FEMA 2757 CoE 11 Eines 294-808-2 / Mountain maple bark distillate CoE 11	All species
	<i>Acer spp.</i> : Maple wood distillate / Maple wood creosote / extract	All species
	<i>Achillea millefolium</i> L.: Yarrow absolute CoE 12 / Yarrow oil CoE 12 / Yarrow tincture CoE 12	All species
	<i>Achyrocline satureioides</i> L. = <i>Lorenta s.</i> (Less.) DC.: Macela absolute / Macela	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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	extract / Macela oil / Macela tincture	
	<i>Acorus calamus</i> L.: Calmus absolute CoE 13 / Calmus extract CoE 13 / Calmus oil CoE 13 / Calmus tincture CoE 13	All species
	<i>Adhatoda vasica</i> , tincture	All species
	<i>Adiantum capillus-veneris</i> L.: Avenca absolute CoE 14 / Avenca extract CoE 14 / Avenca oil CoE 14 / Avenca tincture CoE 14	All species
	<i>Aegle marmelos</i> (L.) Correa: Bael tree concentrate / Bael tree distillate	All species
	<i>Aesculus hippocastanum</i> L.: Chestnut extract / Chestnut tincture	All species
	<i>Aframomum melegueta</i> (Rosc.) K. Schum.: Grains of paradise oil CoE 15	All species
	<i>Agaricus bisporus</i> L.: Mushroom extract CoE 543	All species
	<i>Ageratum conyzoides</i> L.: Ageratum absolute / Ageratum extract / Ageratum tincture	All species
	<i>Agothosma betulina</i> , synonyme <i>Barosma betulina</i> Bartl. et Wendl.: Buchu absolute CoE 85 / Buchu extract CoE 85 / Buchu tincture CoE 85	All species
	<i>Agrimonia eupatoria</i> L.: extract	All species
	<i>Agrimonia europaea</i> L.: Agrimony absolute CoE 18 / Agrimony extract CoE 18 / Agrimony oil CoE 18 / Agrimony tincture CoE 18	All species

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	<i>Agropyron repens</i> (L.) Beauv.: Dog grass CoE 19 / Dog grass extract CAS 84649-79-6 FEMA 2403 CoE 19 Eines 283-459-1 / Dog grass tincture CoE 19	All species
	<i>Ajuga reptans</i> L.: Common bugle absolute / Common bugle extract / Common bugle tincture	All species
	<i>Alchemilla vulgaris</i> L.: Lion's foot oil CoE 21 / Lion's foot extract CoE 21 / Lion's foot tincture CoE 21	All species
	<i>Alchornea castaneifolia</i> (Humb. & Bonpl. ex Willd.) A. Juss.: Iporuru absolute / Iporuru extract / Iporuru oil / Iporuru tincture	All species
	<i>Allium aflatunense</i> B. Fedtsch: Absolute / Extract / Oil / Tincture	All species
	<i>Allium ascalonicum</i> L.: Shallot extract CoE 23 / Shallot oil CoE 23 / Shallot tincture CoE 23	All species
	<i>Allium porrum</i> L.: Leek, spraydried CoE 25 / Leek extract CoE 25 / Leek oil CoE 25 / Leek tincture CoE 25	All species
	<i>Allium schoenoprasum</i> L.: Chives oil CoE 27 / Chives extract CoE 27 / Chives tincture CoE 27	All species
	<i>Aloe vera</i> L., <i>A. barbadensis</i> L., <i>A. capensis</i> L. and <i>A.</i> <i>ferox</i> Mill.: Aloe extract CAS 8001-97-6 FEMA 2047 CoE 28 / Aloe tincture CoE 28	All species
	<i>Alpinia officinarum</i> Hance: Galanga extract CoE 30 /	All species



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	Galanga oil CoE 30 / Galanga tincture CoE 30	
	<i>Alsidium helminthochorton</i> (de la Tour.) Kuetz.: Worm seaweed extract / Worm seaweed tincture	All species
	<i>Althaea officinalis</i> L.: Althaea absolute CoE 31 / Althaea extract CoE 31	All species
	<i>Amorphophallus konjac</i> K. Koch: Devil's tongue extract / Devil's tongue oil / Devil's tongue tincture	All species
	<i>Amyris balsamifera</i> L.: Amyris absolute CoE 33 / Amyris tincture CoE 33	All species
	<i>Anacardium occidentale</i> L.: Cashew absolute CoE 34 / Cashew extract CoE 34/ Cashew tincture CoE 34	All species
	<i>Ananas comosus</i> (L.) Merril.: Pineapple concentrate CoE 36 / Pineapple distillate CoE 36 / Pineapple extract CoE 36	All species
	<i>Andira inermis</i> (Swartz) H.B.K.: Cabbage tree absolute / Cabbage tree extract / Cabbage tree oil / Cabbage tree tincture	All species
	<i>Andrographis paniculata</i> Nees: King of bitter CoE 37	All species
	<i>Anethum graveolens</i> L.: Dill weed oleoresin CAS 8006-75-5 FEMA 2382 CoE 42	All species
	<i>Angelica archangelica</i> L.: Angelica seed extract CAS 84775-41-7 FEMA 2089 CoE 56 EINECS 283-871-1 / Angelica seed oil CAS 8015-64-3 FEMA 2090 CoE 56 EINECS 283-871-1 / Angelica root extract CAS	All species

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	84775-41-7 FEMA 2087 CoE 56 EINECS 283-871-1 / Angelica root oil CAS 8015-64-3 FEMA 2088 CoE 56 EINECS 283-871-1 / Angelica stem oil CAS 8015-64-3 FEMA 2091 CoE 56 EINECS 283-871-1 / Angelica tincture CoE 56	
	<i>Angelica sylvestris</i> L.: Wild Angelica root extract CoE 43 / Wild Angelica root tincture CoE 43	All species
	<i>Angelica sinensis</i> (Oliv.) Diels: Dong quai absolute / Dong quai extract / Dong quai oil	All species
	<i>Aniba rosaeodora</i> Ducke: Bois de rose absolute CoE 44 / Bois de rose oil CAS 8015-77-8 FEMA 2156 CoE 44 EINECS 281-093-7 / Bois de rose tincture CoE 44	All species
	<i>Annona muricata</i> L.: Graviola extract CoE 45 / Graviola oil CoE 45	All species
	<i>Annona squamosa</i> L.: Sugar apple concentrate CoE 46 / Sugar apple extract CoE 46 / Sugar apple oil CoE 46	All species
	<i>Anogeissus latifolia</i> Wall.: Ghatti gum absolute CoE 9 / Ghatti gum extract CoE 9 / Ghatti gum tincture CoE 9	All species
	<i>Antennaria dioica</i> (L.) Gaertn. = <i>Gnaphalium</i> <i>dioicum</i> L.: Pussytoes absolute CoE 219 / Pussytoes extract CoE 219 / Pussytoes oil CoE 219 / Pussytoes tincture CoE 219	All species
	<i>Anthemis nobilis</i> L.: Chamomile flower oil, English CAS	All species

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	8015-92-7FEMA 2272 CoE 48 Einecs 283-467-5 / Chamomile flower oil, Roman CAS 8015-92-7 FEMA 2275 CoE 48 Einecs 283-467-5 / Chamomile flower extract, Roman CAS 8015-92-7 FEMA 2274 CoE 48 Einecs 283-467-5	
	<i>Anthriscus cerefolium</i> (L.) Hoffm.: Chervil absolute CoE 50 / Chervil extract CoE 50 / Chervil tincture CoE 50	All species
	<i>Anthurium crassinervium</i> Hort. ex Engl.: Zanga tempo absolute / Zanga tempo extract / Zanga tempo oil / Zanga tempo tincture	All species
	<i>Apis mellifera</i> L. (beeswax absolute)	All species
	<i>Apium graveolens</i> L.: Celery seed extract solid CAS 8015-90-5 FEMA 2269 CoE 52 Einecs 289-668-4 / Celery leaf oil CAS 8015-90-5 CoE 52 Einecs 289-668-4	All species
	<i>Aquilaria agallocha</i> Roxb.: Chuwah tree absolute / Chuwah tree extract / Chuwah tree oil / Chuwah tree tincture	All species
	<i>Arachis hypogaea</i> L.: Peanut extract CAS 8002-03-7 CoE 54 / Peanut tincture CoE 54	All species
	<i>Arctium majus</i> Bernh. = <i>A.</i> <i>lappa</i> L.: Great burdock oil CoE 57	All species
	<i>Arctostaphylos uva ursi</i> (L.) Spreng.: Bearberry extract / Bearberry tincture	All species
	<i>Areca catechu</i> L.: Areca nut absolute / Areca nut extract / Areca nut oil / Areca nut tincture	All species

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	<i>Arenaria rubra</i> L.: Red sandwort extract / Red sandwort tincture	All species
	<i>Armoracia lapathifolia</i> Gilib. = <i>A. rusticana</i> (Gaertner) B. Meyer et Scherbius: Horseradish absolute CoE 145 / Horseradish extract CoE 145 / Horseradish oil CAS 84775-62-2 CoE 145 Einecs 283-891-0	All species
	<i>Arnica montana</i> L.: Arnica flowers absolute CAS 68990-11-4 CoE 59 Einecs 273-579-2 / Arnica tincture CoE 59	All species
	<i>Aronia arbutifolia</i> (L.) Pers.: Chokeberry distillate / Chokeberry concentrate / Chokeberry extract / Chokeberry tincture	All species
	<i>Arrabidaea chica</i> (Humb.& Bonpl.) B. Verl.: Puca Panga absolute / Puca Panga extract / Puca Panga oil / Puca Panga tincture	All species
	<i>Artemisia abrotanum</i> L.: Southernwood oil CoE 60 / Southernwood tincture CoE 60	All species
	<i>Artemisia absinthium</i> L.: Wormwood absolute CoE 61 / Wormwood extract CAS 8008-93-3 FEMA 3115 CoE 61 Einecs 284- 503-2	All species
	<i>Artemisia annua</i> L.: Annual mugwort tincture	All species
	<i>Artemisia cina</i> Berg.: Artemisia wormseeds oil CoE 63 / Artemisia wormseeds extract CoE 63	All species
	<i>Artemisia dracunculus</i> L.: Estragon absolute CoE 64 / Estragon oil CAS	All species

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	8016-88-4 FEMA 2412 CoE 64 EINECS 290-356-5 / Tarragon oleoresin / extract CAS 8016-88-4 FEMA 3043 CoE 64 EINECS 290-356-5 / Tarragon tincture CoE 64	
	<i>Artemisia maritima</i> L.: Sea wormwood oil CoE 67 / Sea wormwood extract CoE 67	All species
	<i>Artemisia pallens</i> Wall.: Davana tincture CoE 69	All species
	<i>Artemisia pontica</i> L.: Pontique wormwood oil CoE 70 / Pontique wormwood extract CoE 70	All species
	<i>Artemisia vulgaris</i> L.: Armoise / Mugwort absolute CoE 72 / Armoise / Mugwort tincture CoE 72	All species
	<i>Asarum canadense</i> L.: Snakeroot absolute CoE 74 / Snakeroot extract CoE 74 / Snakeroot oil CAS 8016-69-1 FEMA 3023 CoE 74 EINECS 289-592-1 / Snakeroot tincture CoE 74	All species
	<i>Asarum europaeum</i> L.: Hazelwort oil CoE 76 / Hazelwort extract CoE 76	All species
	<i>Asclepias curassavica</i> L.: Algodoncillo / Cancerillo absolute / Algodoncillo / Cancerillo extract / Algodoncillo / Cancerillo oil / Algodoncillo / Cancerillo tincture	All species
	<i>Ascophyllum nodosum</i> (L.) Le Jolis: Knotted wrack absolute / Knotted wrack extract / Knotted wrack tincture	All species
	<i>Asparagus officinalis</i> L.: Asparagus absolute CoE 530 / Asparagus seed and	All species

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	root extract CoE 530 / Asparagus tincture CoE 530	
	<i>Asperula odorata</i> L.: Woodruff oil CoE 77 / Woodruff extract CoE 77	All species
	<i>Aspidium filix-mas</i> (L.) Sw.: Male fern absolute / Male fern extract / Male fern tincture	All species
	<i>Aspidosperma quebracho-</i> <i>blanco</i> Schlechtend.: Quebracho bark fluid extract FEMA 2972 CoE 78	All species
	<i>Asplenium ruta-muraria</i> L.: Wallrue absolute / Wallrue extract / Wallrue oil / Wallrue tincture	All species
	<i>Astragalus gummifer</i> Labill.: Tragacanth extract CoE 79 / Tragacanth tincture CoE 79	All species
	<i>Astragalus membranaceus</i> L. = <i>A. pycnocladus</i> Boiss.et Haussk. ex Boiss.: Astragalus / Astragalus extract	All species
	<i>Atractylodes lancea</i> (Thunb.) DC.: Atractylodes absolute / Atractylodes extract / Atractylodes oil / Atractylodes tincture	All species
	<i>Avena sativa</i> L.: Oat absolute / Oat extract / Oat tincture	All species
	<i>Azadirachta indica</i> A. Juss.: Neemtree absolute / Neemtree extract / Neemtree oil / Neemtree tincture	All species
	<i>Baccharis genistelloides</i> Pers.: Carqueja absolute CoE 495 / Carqueja extract CoE 495 / Carqueja oil CoE 495 / Carqueja tincture CoE 495	All species

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	<i>Bacopa monnieri</i> (L.) Pennell: Thyme leaved gratiola oil	All species
	<i>Ballota nigra</i> L. = <i>B. foetida</i> L.: Black hempnettle absolute CoE 84 / Black hempnettle extract CoE 84 / Black hempnettle oil CoE 84 / Black hempnettle tincture CoE 84	All species
	<i>Bauhinia forticata</i> Link: Pata de vaca/Cow's foot absolute / Pata de vaca/Cow's foot extract / Pata de vaca/Cow's foot oil / Pata de vaca/Cow's foot tincture	All species
	<i>Bellis perennis</i> L.: Daisy absolute / Daisy extract / Daisy oil / Daisy tincture	All species
	<i>Berberis aristata</i> DC.: Indian barberry absolute / Indian barberry extract / Indian barberry oil / Indian barberry tincture	All species
	<i>Berberis vulgaris</i> L.: Barberry absolute CoE 86	All species
	<i>Bertholletia excelsa</i> Humb. et Bonpl.: Brazil nut absolute / Brazil nut extract / Brazil nut oil / Brazil nut tincture	All species
	<i>Beta vulgaris</i> L. var. <i>altissima</i> Döll: Sugar beet extract / Sugar beet extract burnt / Sugar beet tincture	All species
	<i>Beta vulgaris</i> L.: Red beet extract CoE 496 / Red beet tincture CoE 496	All species
	<i>Betonica officinalis</i> L.: Betony absolute CoE 87 / Betony extract CoE 87 / Betony tincture CoE 87	All species
	<i>Betula lenta</i> L.: Birch sweet oil CAS 68917-50-0	All species

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	FEMA 2154 CoE 89 Einesc 286-478-3 / Birch sweet tincture CoE 89	
	<i>Betula pendula</i> Roth = <i>B. alba</i> L.: Birch extract CoE 88	All species
	<i>Bidens pilosa</i> L.: Picao Preto absolute / Picao Preto extract / Picao Preto oil / Picao Preto tincture	All species
	<i>Bixa orellana</i> L.: Annatto extract CAS 8015-67-6 FEMA 2103 CoE 90 / Annatto tincture CoE 90	All species
	<i>Boerhaavia diffusa</i> L.: Spreading hogweed extract / Spreading hogweed tincture	All species
	<i>Boerhaavia hirsuta</i> L., <i>B. diffusa</i> L.: Erva tostao/ Red spiderling absolute / Erva tostao/Red spiderling extract / Erva tostao/Red spiderling oil / Erva tostao/ Red spiderling tincture	All species
	<i>Borago officinalis</i> L.: Borage extract CoE 92 / Borage oil CoE 92 / Borago tincture CoE 92	All species
	<i>Boronia megastigma</i> Nees: Boronia absolute CoE 91 / Boronia concrete CoE 91 / Boronia tincture CoE 91	All species
	<i>Bos taurus</i> (fat free and albumin free extract of fresh beef)	All species
	<i>Boswellia carterii</i> Birdw., <i>B. sacra</i> Flueckiger: Olibanum resinoid/extract CAS 8016-36-2 CoE 93 Einesc 289-620-2 / Olibanum oil CAS 8016-36-2 FEMA 2816 CoE 93 Einesc 232-474-1 / Olibanum absolute CAS 8016-36-2 CoE 93 Einesc 232-474-1	All species



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	<i>Boswellia serrata</i> Roxb. ex Colebr.: Olibanum absolute / Olibanum oil	All species
	<i>Brassica napus</i> L.: tincture CoE 94	All species
	<i>Brunfelsia uniflora</i> (Pohl) D. Don: Manaca absolute / Manaca extract / Manaca oil / Manaca tincture	All species
	<i>Bupleurum rotundifolium</i> L.: Hare's ear absolute / Hare's ear extract / Hare's ear oil	All species
	<i>Bursera glabrifolia</i> (H.B.K.) Engl., <i>B. delpechiana</i> Poiss.: Linaloe wood absolute CoE 236 / Linaloe wood oil CAS 8006-86-8 FEMA 2634 CoE 236 Einecs 296-611-7	All species
	<i>Bursera penicillata</i> Sessé et Mocino ex DC.: Linaloe absolute / Linaloe extract / Linaloe wood oil CAS 8006-86-8 FEMA 2634 Einecs 296-611-7 / Linaloe tincture	All species
	<i>Butea frondosa</i> Roxb. = <i>B. monosperma</i> L.: Flame of the forest extract / Flame of the forest tincture	All species
	<i>Cajanus cajan</i> (L.) Millsp.: Guandu absolute / Guandu extract / Guandu oil / Guandu tincture	All species
	<i>Calamintha officinalis</i> Moench: Calaminth absolute CoE 99 / Calaminth extract CoE 99 / Calaminth oil CoE 99 / Calaminth tincture CoE 99	All species
	<i>Calendula officinalis</i> L.: Marigold absolute CoE 101 / Marigold pot extract CAS 70892-20-5 FEMA 2658 CoE	All species

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	101 / Marigold tincture CoE 101	
	<i>Calluna vulgaris</i> (L.) Hull.: Common heather oil CoE 102 / Common heather extract CoE 102	All species
	<i>Calycophyllum spruceanum</i> (Benth.) Hook.f. ex K. Schum.: Guandu / Guandu absolute / Guandu extract / Guandu oil / Guandu tincture	All species
	<i>Camellia japonica</i> , tincture	All species
	<i>Cananga odorata</i> (Lam.) Hook. et Thoms.: Ylang-ylang absolute CAS 8006-81-3 CoE 103 Einecs 297-681-1	All species
	<i>Canarium luzonicum</i> A. Gray, <i>C. commune</i> = <i>C. indicum</i> L.: Elemi resinoid CAS 8023-89-0 FEMA 2407 CoE 104 Einecs 232-557-2 / Elemi absolute CAS 8023-89-0 CoE 104 Einecs 232-557-2 / Elemi extract CAS 8023-89-0 FEMA 2407 CoE 104 Einecs 232-557-2 / Elemi oil CAS 8023-89-0 FEMA 2407 CoE 104 Einecs 232-557-2 / Elemi tincture CoE 104	All species
	<i>Capsicum annuum</i> L., <i>C. frutescens</i> L.: Paprika CAS 84625-29-6 FEMA 2833 CoE 107 Einecs 283-403-6/ Pepper green bell CAS 84603-55-4 CoE 107 / Pepper red CAS 85940-30-3 FEMA 2849 CoE 107/108	All species
	<i>Capsicum minimum</i> Roxb.: Capsicum extract / oleoresin / Capsicum tincture	All species
	<i>Carapa guineensis</i> Aubl.: Andiroba absolute / Andiroba	All species

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	extract / Andiroba oil / Andiroba tincture	
	<i>Carduus pycnocephalus</i> L.: Italian thistle absolute / Italian thistle extract / Italian thistle oil / Italian thistle tincture	All species
	<i>Carica papaya</i> L.: Papaya concentrate CoE 109 / Papaya distillate CoE 109 / Papaya extract CoE 109 / Papaya tincture CoE 109	All species
	<i>Carlina acaulis</i> L.: Carline thistle distillate / Carline thistle extract / Carline thistle oil	All species
	<i>Carthamus tinctorius</i> L.: Safflower absolute CoE 110 / Safflower extract CoE 110 / Safflower oil CoE 110 / Safflower tincture CoE 110	All species
	<i>Carum carvi</i> L. = <i>Apium</i> <i>carvi</i> L.: Caraway tincture CoE 112	All species
	<i>Carya spp.</i> : Hickory bark extract CAS 91723-46-5 FEMA 2577 CoE 113 EINECS 294-553-7	All species
	<i>Casearia sylvestris</i> Sw.: Guacatonga absolute / Guacatonga extract / Guacatonga oil / Guacatonga tincture	All species
	<i>Cassia acutifolia</i> Del.: Senna oil CoE 114 / Senna extract CoE 114 / Senna tincture CoE 114	All species
	<i>Cassia alata</i> L.: Guajava absolute / Guajava extract / Guajava oil / Guajava tincture	All species
	<i>Cassia angustifolia</i> Vahl, <i>C. fistula</i> L.: Absolute CoE	All species

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	115/524 / Extract CoE 115/524 / Tincture CoE 115/524	
	<i>Cassia occidentalis</i> L.: Fedegoso absolute / Fedegoso extract / Fedegoso oil / Fedegoso tincture	All species
	<i>Castanea sativa</i> Mill.: Chestnut absolute / Chestnut tincture	All species
	<i>Cayaponia tayuya</i> (Vell.) Cogn.: Tayuya absolute / Tayuya extract / Tayuya oil / Tayuya tincture	All species
	<i>Cecropia peltata</i> L., <i>C.</i> <i>palmata</i> Willd.: Embauba absolute / Embauba extract / Embauba oil / Embauba tincture	All species
	<i>Cedrela odorata</i> L.: Cedro rosa absolute / Cedro rosa oil	All species
	<i>Cedrus atlantica</i> (Endl.) Manetti ex Carr.: Atlas cedar oil / Atlas cedar tincture	All species
	<i>Centaurea centaurium</i> L., <i>Centaureum umbellatum</i> Gilib. = <i>Centaureum</i> <i>Erythrea</i> Rafn. / <i>Erythrea</i> centaurium auct. Non (L.) Pers.: Centaury oil CoE 183 / Centaury tincture / fluid extract CoE 183	All species
	<i>Centaurea cyanus</i> L.: Garden cornflower absolute CoE 119 / Garden cornflower tincture CoE 119	All species
	<i>Centella asiatica</i> (L.) Urb.: Watermarbel extract / Watermarbel tincture	All species
	<i>Ceratonia siliqua</i> L.: Carob bean extract CAS 9000.40-2 FEMA 2243 CoE 120 Einecs	All species

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	232-541-5 / Carob tincture CoE 120	
	<i>Cetraria islandica</i> (L.) Arch.: Iceland moss extract CoE 121 / Iceland moss tincture CoE 121	All species
	<i>Chamaemelum nobile</i> : extract	All species
	<i>Chamomilla recutita</i> (L.) Rauschert.: Chamomile flower absolute CAS 8022-66-2 FEMA 2273 CoE 273 Einecs 282-006-5 / Chamomile tincture CoE 273	All species
	<i>Chasmanthera columba</i> Baill.: Columba absolute / Columba extract / Columba oil / Columba tincture	All species
	<i>Cheiranthus cheiri</i> L.: Aegean wallflower extract / Aegean wallflower oil / Aegean wallflower tincture	All species
	<i>Chelidonium majus</i> L.: Celandine absolute CoE 122 / Celandine extract CoE 122 / Celandine oil CoE 122 / Celandine tincture CoE 122	All species
	<i>Chenopodium album</i> L.: Lambsquarters absolute / Lambsquarters extract / Lambsquarters tincture	All species
	<i>Chenopodium ambrosioides</i> L.: Mexican tea absolute CoE 123 / Mexican tea extract CoE 123 / Mexican tea tincture CoE 123	All species
	<i>Chenopodium botrys</i> L.: Jerusalem oak goosefoot absolute / Jerusalem oak goosefoot extract / Jerusalem oak goosefoot tincture	All species
	<i>Chimaphila umbellata</i> (L.) Nutt.: Bitter wintergreen absolute CoE 124 / Bitter	All species

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	wintergreen extract CoE 124 / Bitter wintergreen oil CoE 124 / Bitter wintergreen tincture CoE 124	
	<i>Chondrodendron tomentosum</i> Ruiz et Pav.: Pareira distillate / Pareira extract / Pareira oil / Pareira tincture	All species
	<i>Chondrus crispus</i> Lyngb.: Irish moss extract CAS 9000-07-1 FEMA 2596 CoE 125 / Irish moss tincture CoE 125	All species
	<i>Chrysanthemum americanum</i> (L.) Vatke ex Weberl. & Lagos: American daisy absolute / American daisy extract / American daisy tincture	All species
	<i>Chrysanthemum indicum</i> L. = <i>Dendranthema i.</i> L.: Crisantemo absolute / Crisantemo extract / Crisantemo oil / Crisantemo tincture	All species
	<i>Cichorium intybus</i> L.: Chicory absolute CoE 127 / Chicory extract CAS 68650-43-1 FEMA 2280 CoE 127 Eines 272-045-6 / Chicory tincture CoE 127	All species
	<i>Cimicifuga simplex</i> (Wormsk. ex DC.) Ledeb. = <i>C. racemosa</i> (L.) Nutt.: Sarashina shoma absolute	All species
	<i>Cinchona officinalis</i> L.: Yellow cinchona extract CAS 68990-12-5 FEMA 2284 CoE 2027 / Yellow cinchona tincture CoE 2027	All species
	<i>Cinchona succirubra</i> Pav. ex Klotzsch, <i>C. pubescens</i> L.: Cinchona bark extract CAS 68990-12-5 FEMA 2282 CoE	All species

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	128 / Cinchona bark tincture CoE 128	
	<i>Cinnamomum aromaticum</i> Nees, <i>C. cassia</i> Nees ex Blume: Concrete CoE 131 / Oleoresin CAS 84961-46-6 CoE 131 Einecs 284-635-0 / Tincture CoE 131	All species
	<i>Cinnamomum camphora</i> L.: Camphor absolute CoE 130 / Camphor tincture CoE 130	All species
	<i>Cinnamomum zeylanicum</i> Bl., <i>C. verum</i> J.S. Presl: Cinnamon CAS 84961-46-6 FEMA 2289 CoE 133 Einecs 284-635-0 / Cinnamon bark extract CAS 84961-46-6 FEMA 2290 CoE 133	All species
	<i>Cissampelos pareira</i> L.: Abuta absolute / Abuta extract / Abuta oil / Abuta tincture	All species
	<i>Cistus ladanifer</i> L.: Labdanum absolute CAS 8016-26-0 FEMA 2608 CoE 134 Einecs 283-893-1 / Labdanum oil CAS 8016-26-0 FEMA 2609 CoE 134 Einecs 283-893-1 / Labdanum extract / resinoid CAS 8016-26-0 FEMA 2610 CoE 134 Einecs 283-893-1	All species
	<i>Citrus aurantiifolia</i> (Christm.) Swingle: Lime concentrate CoE 141 / Lime distillate CoE 141 / Lime tincture CoE 141	All species
	<i>Citrus aurantium</i> L.: Petitgrain concrete	All species
	<i>Citrus aurantium</i> L. spp. <i>Bergamia</i> (Risso & Poit.): Bergamot absolute CoE 137 / Bergamot oil CAS 8007-75-8 FEMA 2153 CoE 137 Einecs	All species

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	289-612-9 / Bergamot oil terpeneless CAS 8007-75-8 CoE 137 EINECS 289-612-9 / Bergamot tincture CoE 137	
	<i>Citrus aurantium</i> L. var <i>myrtifolia</i> Ker-Gawl. = <i>C. aurantium</i> L. spp. <i>Amara</i> var. <i>pumilia</i> : Bitter orange distillate CoE 138 / Bitter orange peel extract CoE 138 / Citrus peels extract CAS 94266-47-4 FEMA 2318 CoE 138 EINECS 304-454-3 / Bitter orange oil cold pressed CoE 138 / Bitter orange tincture CoE 138	All species
	<i>Citrus limon</i> (L.) Burm.: Lemon concentrate CoE 139 / Lemon distillate CoE 139 / Lemon peel oleoresin CoE 139 / Lemon oil terpeneless CAS 68648-39-5 FEMA 2626 CoE 139 / Lemon tincture CoE 139 / Lemon terpenes CAS 68917-33-9 CoE 139 / Citrus peels extract CAS 94266-47-4 FEMA 2318 EINECS 304-454-3	All species
	<i>Citrus limonimeditica</i> Lush. <i>C. bushukan</i> : Distillate/Oil CAS 85085-28-5 FEMA 3899	All species
	<i>Citrus reticulata</i> Blanco: Mandarin oil terpeneless CAS 68917-20-4 CoE 142 EINECS 284-521-0 / Tangerine concentrate CoE 142 / Tangerine distillate CoE 142 / Tangerine extract CoE 142 / Tangerine oil CAS 8008-31-9 FEMA 3041 CoE 142 / Mandarin, Tangerine tincture CoE 142	All species
	<i>Citrus sinensis</i> (L.) Pers. = <i>C. aurantium</i> L. var. <i>dulcis</i> : Orange peel CoE 143 /	All species



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	Orange peel extract CAS 8028-48-6 FEMA 2824 CoE 143 Einecs 232-433-8 / Citrus peels extract CAS 94266-47-4 FEMA 2318 Einecs 304-454-3	
	<i>Citrus x paradisi</i> Macfad.: Grapefruit concentrate CoE 140/ Citrus peels extract CAS 94266-47-4 FEMA 2318 Einecs 304-454-3/ Grapefruit oil terpeneless CAS 90045-43-5 CoE 140 / Grapefruit essence oil CoE 140 / Grapefruit tincture CoE 140 / Grapefruit terpenes CoE 140	All species
	<i>Cnicus benedictus</i> L.: Blessed thistle extract solid CoE 144 / Blessed thistle oil CoE 144 / Blessed thistle tincture CoE 144	All species
	<i>Cocos nucifera</i> L.: Coconut tincture CoE 147	All species
	<i>Coffea arabica</i> L.: Coffee distillate / Coffee extract / Coffee oil / Coffee tincture	All species
	<i>Cola acuminata</i> (P. Beauv.) Schott & Endl.: Kola nut absolute CoE 149 / Kola nut extract CAS 68916-19-8 FEMA 2607 CoE 149 Einecs 272-824-0 / Kola nut tincture CoE 149	All species
	<i>Coleus forskohlii</i> (Poir.) Briq.: Coleus extract / Coleus tincture	All species
	<i>Combretum micranthum</i> G. Don: Kinkeliba absolute / Kinkeliba extract / Kinkeliba oil / Kinkeliba tincture	All species
	<i>Commiphora molmol</i> Engl., <i>C. abyssinica</i> Engl., <i>C. myrrha</i> (Nees) Engler: Myrrh	All species

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	absolute CAS 8016-37-3 CoE 150 Einesc 232-543-6 / Myrrh extract / resinoid CAS 8016-37-3 CoE 150 Einesc 232-543-6 / Myrrh oil CAS 8016-37-3 FEMA 2766 CoE 150 Einesc 232-543-6 / Myrrh tincture CoE 150	
	<i>Commiphora mukul</i> Engl.: Indian bedellium tree tincture	All species
	<i>Cordia salicifolia</i> Cham., <i>C. ecalyculata</i> Vell.: Cha de bugre absolute / Cha de bugre extract / Cha de bugre oil / Cha de bugre tincture	All species
	<i>Cordia verbenacea</i> DC.: Cordia absolute / Cordia extract / Cordia oil / Cordia tincture	All species
	<i>Coriandrum sativum</i> L.: Coriander absolute CAS 8008-52-4 CoE 154 Einesc 283-880-0 / Coriander oleoresin / Coriander extract CAS 84775-50-8 CoE 154 Einesc 283- 880-0 / Coriander leaf oleoresin CAS 8008-52-4 CoE 154 / Coriander tincture CoE 154	All species
	<i>Corylus avellana</i> L.: Hazelnut absolute CAS 84012-21-5 CoE 155 Einesc 281-667-7 / Hazelnut extract CAS 84012-21-5 CoE 155 Einesc 281-667-7 / Hazelnut tincture CoE 155	All species
	<i>Crataegus oxyacantha</i> L.p.p. et auct.: Hawthorne absolute CoE 156 / Hawthorne extract CoE 156 / Hwathorne oil CoE 156	All species
	<i>Crocus sativus</i> L.: Saffron extract CAS 84604-17-1 FEMA 2999 CoE 157 Einesc	All species

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	283-295-0 / Saffron tincture CoE 157	
	<i>Croton eluteria</i> Benn.: Cascarilla absolute CoE 158 / Cascarilla extract CoE 158 / Cascarilla oil CoE 158 / Cascarilla tincture CoE 158	All species
	<i>Croton lechleri</i> Muell. Arg.: Sangre de grado absolute / Sangre de grado extract / Sangre de grado oil / Sangre de grado tincture	All species
	<i>Cryptocarya massoia</i> L.: Massoia bark extract / Massoia bark oil CAS 85085-26-3 FEMA 3747 Einecs 285-357-2 / Massoia bark tincture	All species
	<i>Cucurbita maxima</i> Duch.: Squash distillate / Squash extract / Squash oil / Squash tincture	All species
	<i>Cuminum cyminum</i> L.: Cumin absolute CAS 8014-13-9 CoE 161 Einecs 283-881-6 / Cumin oleoresin CAS 8014-13-9 CoE 161 Einecs 283-881-6 / Cumin seed oil CAS 8014-13-9 FEMA 2343 CoE 161 Einecs 283-881-6 / Cumin tincture CoE 161	All species
	<i>Cupressus sempervirens</i> L.: Cypress absolute CAS 8013-86-3 CoE 162 Einecs 283-626-9 / Cypress oil CAS 8013-86-3 CoE 162 Einecs 283-626-9	All species
	<i>Curcuma amada</i> Roxb.: Mango ginger absolute / Mango ginger extract / Mango ginger oil / Mango ginger tincture	All species

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	<i>Curcuma zanthorrhiza</i> Roxb.: Turmeric absolute / Turmeric extract / Turmeric oil / Turmeric tincture	All species
	<i>Curcuma zedoaria</i> (Christm.) Rosc.: Zedoary bark extract CAS 84961-49-9 FEMA 3123 CoE 164 Einecs 284-637-1 / Zedoary tincture CoE 164	All species
	<i>Cyamopsis tetragonoloba</i> (L.) Taub.: Guar gum absolute CoE 166 / Guar gum extract CoE 166 / Guar gum tincture CoE 166	All species
	<i>Cydonia vulgaris</i> Pers., <i>Choenomeles japonica</i> (Thunb.) Lindl. ex Spach, <i>C. speciosa</i> (Sweet) Nakai: Quince concentrate CoE 167 / Quince distillate CoE 167 / Quince seed extract CAS 85117-13-1 FEMA 2974 CoE 167	All species
	<i>Cymbopogon citratus</i> (DC.) Staph = <i>C. flexuosus</i> L.: Lemongrass extract CAS 8007-02-1 CoE 38 / Lemongrass tincture CoE 38	All species
	<i>Cymbopogon martini</i> (Roxb.) W. Wats.: Palmarosa absolute CoE 40 / Palmarosa oil CAS 8014-19-5 FEMA 2831 CoE 40 Einecs 283-461-2	All species
	<i>Cymbopogon nardus</i> (L.) W. Wats.: Citronella absolute CoE 39 / Citronella tincture CoE 39	All species
	<i>Cymbopogon winterianus</i> Jowitt = <i>C. nardus</i> (L.) W. Wats.: Citronella CoE 39 / Citronella absolute CoE 39 / Citronella tincture CoE 39	All species

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	<i>Cynara cardunculus</i> L.: Cardoon extract CoE 168 / Cardoon tincture CoE 168	All species
	<i>Cyperus rotundus</i> L.: Tiririca absolute / Tiririca extract / Tiririca oil / Tiririca tincture	All species
	<i>Cyperus scariosus</i> R. Br.: Flatsedge absolute / Flatsedge extract / Flatsedge oil / Flatsedge tincture	All species
	<i>Cytisus scoparius</i> (L.) Link: Common broom extract CoE 170	All species
	<i>Daemonorops draco</i> Bl.: Dragon's blood extract CAS 9000-19-5 FEMA 2404 CoE 100 Einecs 232-530-5 / Dragon's blood tincture CoE 100	All species
	<i>Dalbergia odorifera</i> T. C. Chen: Dalbergia absolute / Dalbergia extract / Dalbergia oil / Dalbergia tincture	All species
	<i>Darmera peltata</i> (Torr. ex Benth.) Voss = <i>Peltiphyllum</i> <i>peltatum</i> L.: Indian rhubarb absolute / Indian rhubarb extract / Indian rhubarb oil / Indian rhubarb tincture	All species
	<i>Daucus carota</i> L.: Carrot seed absolute CAS 8015-88-1 CoE 173 Einecs 284-545-1 / Carrot seed extract / oleoresin CAS 8015-88-1 CoE 173 Einecs 284-545-1 / Carrot seed oil CAS 8015-88-1 FEMA 2244 CoE 173 Einecs 284-545-1 / Carrot seed oil terpeneless CAS 8015-88-1 CoE 173 Einecs 284-545-1 / Carrot tincture CoE 173	All species
	<i>Desmodium ovaefolium</i> Guiell. & Perr. = <i>D.</i> <i>adscendens</i> (Sw.) DC.:	All species

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	Zarzabacoa galana absolute / Zarzabacoa galana extract / Zarzabacoa galana oil / Zarzabacoa galana tincture	
	<i>Dichroa febrifuga</i> Lour.: Basak / Asaru extract / Basak / Asaru tincture	All species
	<i>Dictamnus albus</i> L.: Gasplant absolute / Gasplant extract / Gasplant tincture	All species
	<i>Dicypellium caryophyllatum</i> Nees: Absolute CoE 176 / Extract CoE 176 / Oil CoE 176 / Tincture CoE 176	All species
	<i>Dioscorea opposita</i> Thunb.: Yams absolute / Yams extract / Yams oil / Yams tincture	All species
	<i>Dipteryx odorata</i> (Aubl.) Willd.: Tonka bean absolute CAS 8046-22-8 CoE 178 Einecs 232-460-5 / Tonka bean tincture CoE 178	All species
	<i>Dorstenia brasiliensis</i> Lam.: Carapia absolute / Carapia extract / Carapia oil / Carapia tincture	All species
	<i>Dracaena draco</i> (L.): Distillate / Concentrate / Extract / Resin	All species
	<i>Dracontium loretense</i> K. Krause): Jergon sacha absolute / Jergon sacha extract / Jergon sacha oil / Jergon sacha tincture	All species
	<i>Drimys winteri</i> J.R. et G. Forst.: Winter's bark absolute / Winter's bark extract / Winter's bark oil / Winter's bark tincture	All species
	<i>Drosera rotundifolia</i> L.: Roundleaf sundew absolute / Roundleaf sundew extract /	All species

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	Roundleaf sundew oil / Roundleaf sundew tincture	
	<i>Dryopteris filix-mas</i> (L.) Schott: Male fern absolute CoE 179 / Male fern extract CoE 179 / Male fern oil CoE 179 / Male fern tincture CoE 179	All species
	<i>Echinacea angustifolia</i> DC.: Blacksamson echinacea absolute / Blacksamson echinacea oil	All species
	<i>Echinacea purpurea</i> (L.) Moench.: Echinacea absolute	All species
	<i>Eleutherococcus senticosus</i> Rupr. et Maxim. = <i>Acanthopanax s.</i> Harms: Taiga root absolute	All species
	<i>Elettaria cardamomum</i> (L.) Maton: Cardamom oleoresin / extract CAS 8000-66-6 / CoE 180 Einecs 288-922-1 / Cardamom seed oil CAS 8000-66-6 FEMA 2241 CoE 180 Einecs 288-922-1 / Cardamom tincture CoE 180	All species
	<i>Emblica officinalis</i> Gaertn. = <i>Phyllanthus emblica</i> L.: Gooseberry concentrate / Gooseberry distillate / Gooseberry extract	All species
	<i>Ephedra vulgaris</i> : tincture	All species
	<i>Epilobium montanum</i> L.: Epilobium absolute / Epilobium extract / Epilobium tincture	All species
	<i>Equisetum arvense</i> L.: Horsetail extract	All species
	<i>Erica cinerea</i> L.: Scotch heath/Heather absolute CAS 90028-38-9 CoE 559 / Scotch heath/Heather extract CoE	All species

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	559 / Scotch heath/Heather oil CoE 559 / Scotch heath/ Heather tincture CoE 559	
	<i>Erigeron canadensis</i> L.: Fleabane extract CoE 181 / Fleabane oil CAS 8007-27-0 FEMA 2409 CoE 181 / Fleabane tincture CoE 181	All species
	<i>Eriodictyon glutinosum</i> Benth. = <i>E. californicum</i> (Hook and Arn) Torr: Yerba santa absolute CoE 182 / Yerba santa extract CoE 182 / Yerba santa oil CoE 182 / Yerba santa tincture/fluid extract FEMA 3118 CoE 182	All species
	<i>Erythrina mulungu</i> Mart. ex Benth. = <i>E. verna</i> Vell.: Mulungu absolute / Mulungu extract / Mulungu oil / Mulungu tincture	All species
	<i>Erythroxylon coca</i> Lam.: Coca leaf extract (decocainized) CAS 84775-48-4 FEMA 2329 CoE 184 Eines 283-877-4 / Coca leaf tincture (decocainized) CoE 184	All species
	<i>Erythroxylum catuaba</i> A. J. Silva ex Raym.-Hamet: Catuaba absolute / Catuaba extract / Catuaba oil / Catuaba tincture	All species
	<i>Eschscholzia californica</i> Cham.: California poppy absolute / California poppy extract / California poppy oil	All species
	<i>Eucalyptus citriodora</i> Hook.: Eucalyptus citriodora absolute CoE 186 / Eucalyptus citriodora extract CoE 186 / Eucalyptus citriodora oil CoE 186 / Eucalyptus citriodora tincture CoE 186	All species



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	<i>Eucalyptus fruticetorum</i> F. v. Muell. ex Miq.: Blue mallee oil / Blue mallee tincture	All species
	<i>Eucalyptus globulus</i> Labill.: Eucalyptus absolute CAS 8000-48-4 CoE 185 Einecs 283-406-2 / Eucalyptus concrete CAS 8000-48-4 CoE 185 Einecs 283-406-2	All species
	<i>Eucalyptus smithii</i> R. T. Bak.: Eucalyptus smithii oil rectified CAS 91771-68-5 Einecs 294-962-0 / Blackbutt peppermint tincture	All species
	<i>Eugenia caryophyllus</i> (C. Sprengn.) Bull. = <i>Caryophyllus aromaticum</i> L. = <i>Syzygium aromaticum</i> L.: Clove bud absolute CAS 8000-34-8 CoE 188 Einecs 284-638-7 / Clove bud extract CAS 84961-50-2 FEMA 2322 CoE 188 Einecs 284-638-7 / Clove bud oleoresin CAS 84961-50-2 FEMA 2324 CoE 188 Einecs 284-638-7	All species
	<i>Eupatorium perfoliatum</i> L.: Common boneset absolute / Common boneset extract / Common boneset oil	All species
	<i>Euphorbia cerifera</i> Alcocer: Candelilla absolute / Candelilla tincture	All species
	<i>Euphorbia tirucalli</i> L.: Indiantree spurge absolute / Indiantree spurge extract / Indiantree spurge oil / Indiantree spurge tincture	All species
	<i>Euphrasia officinalis</i> : tincture	All species
	<i>Evernia prunastri</i> (L.) Ach.: Oakmoss absolute CAS 9000.50-4 FEMA 2795 CoE 194 Einecs 289-861-3 /	All species

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	Oakmoss concrete CAS 9000-50-4 CoE 194 Einecs 289-861-3	
	<i>Fagopyrum esculentum</i> Moench: Buckwheat extract / Buckwheat tincture	All species
	<i>Fagus sylvatica</i> L.: Beechwood creosote CAS 8021-39-4 CoE 195 Einecs 232-419-1	All species
	<i>Ferula assa-foetida</i> L.: Asafoetida fluid extract CAS 9000-04-8 FEMA 2106 CoE 196 / Asafoetida tincture CoE 196	All species
	<i>Ferula galbaniflua</i> Boiss. & Buhse: Galbanum absolute CAS 8023-91-4 CoE 197 Einecs 232-532-6 / Galbanum oleoresin / resinoid CAS 8023-91-4 FEMA 2502 CoE 197 Einecs 232-532-6 / Galbanum oil CAS 8023-91-4 FEMA 2501 CoE 197 Einecs 232-532-6 / Galbanum oil terpeneless CAS 8023-91-4 FEMA 2502 CoE 197	All species
	<i>Ficus carica</i> L.: Fig concentrate CoE 198 / Fig distillate CoE 198 / Fig extract CoE 198	All species
	<i>Filipendula ulmaria</i> (L.) Maxim.: Dropwort absolute CoE 199 / Dropwort extract CoE 199 / Dropwort oil CoE 199	All species
	<i>Foeniculum vulgare</i> Mill.: Fennel oleoresin CAS 92623-75-1 CoE 200/201	All species
	<i>Fragaria virginiana</i> Mill., <i>F. chiloensis</i> (L.) Mill. and <i>F. vesca</i> L.: Spraydried CoE 202/203 / Distillate	All species

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	CoE 202/203 / Extract CoE 202/203 / Concentrate CoE 202/203	
	<i>Fraxinus excelsior</i> L.: Common ash absolute CoE 204 / Common ash extract CoE 204 / Common ash oil CoE 204 / Common ash tincture CoE 204	All species
	<i>Fucus crispus</i> L.: extract	All species
	<i>Fucus vesiculosus</i> L.: Algues/ Bladder wrack tincture CoE 206	All species
	<i>Fumaria officinalis</i> L.: Fumitory absolute CoE 207 / Fumitory extract CoE 207 / Fumitory oil CoE 207 / Fumitory tincture CoE 207	All species
	<i>Galega officinalis</i> L.: Goat's rue absolute / Goat's rue extract / Goat's rue oil / Goat's rue tincture	All species
	<i>Galipea officinalis</i> Hancock: Angostura extract / Angostura tincture	All species
	<i>Galium aparine</i> L.: Stickywilly distillate / Stickywilly extract / Stickywilly tincture	All species
	<i>Ganoderma lucidum</i> (Leyss. ex Fr.) P. Karst.: Reishi extract / Reishi tincture	All species
	<i>Garcinia cambogia</i> Desrouss.: Garcinia distillate / Garcinia concentrate / Garcinia tincture	All species
	<i>Gaultheria procumbens</i> L.: Wintergreen absolute CoE 211 / Wintergreen extract CAS 90045-28- 6 FEMA 3112 CoE 211 Einecs	All species

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	289-888-0 / Wintergreen tincture CoE 211	
	<i>Gentiana asclepiadea</i> L.: Willow gentian absolute / Willow gentian extract / Willow gentian tincture	All species
	<i>Gentiana barbata</i> Froel.: Windmill fringed gentian absolute / Windmill fringed gentian extract / Windmill fringed gentian oil	All species
	<i>Gentiana lutea</i> L. = <i>G. purpurea</i> L.: Gentian root extract CAS 72968-42-4 FEMA 2506 CoE 214 EINECS 277-139-0 / Gentian oil CoE 214	All species
	<i>Gentiana macrophylla</i> Pallas: Absolute / Extract / Oil	All species
	<i>Geranium robertianum</i> L.: Robert geranium absolute / Robert geranium extract / Robert geranium oil	All species
	<i>Geum urbanum</i> L.: Wood avens extract CoE 215 / Wood avens oil CoE 215 / Wood avens tincture CoE 215	All species
	<i>Ginkgo biloba</i> L.: Ginkgo absolute / Ginkgo oil	All species
	<i>Glechoma hederacea</i> L.: Ivy extract CoE 216 / Ivy tincture CoE 216	All species
	<i>Gleditsia japonica</i> Miq.: Japanese locust absolute / Japanese locust extract / Japanese locust oil / Japanese locust tincture	All species
	<i>Grifola frondosa</i> (Fr.) S.F. Gray: Maitake concentrate / Maitake extract / Maitake tincture	All species
	<i>Grindelia robusta</i> Nutt.: Gumweed absolute /	All species

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	Gumweed extract / Gumweed oil / Gumweed tincture	
	<i>Guajacum officinale</i> L. = <i>Bulnesia sarmienti</i> Lor.: Guaiac gum extract CAS 8052-39-9 FEMA 2531 CoE 220 / Guaiac gum tincture CoE 220	All species
	<i>Guazuma ulmifolia</i> Lam.: Mutamba concentrate / Mutamba distillate / Mutamba extract / Mutamba oil / Mutamba tincture	All species
	<i>Gymnema sylvestre</i> (Retz.) R.Br. ex Schult.: Miracle fruit distillate / Miracle fruit extract / Miracle fruit oil / Miracle fruit tincture	All species
	<i>Gymnostemma pentaphyllum</i> Makino: Immortality herb / Immortality herb extract	All species
	<i>Gypsophila struthium</i> L.: Absolute / Extract / Tincture	All species
	<i>Haematoxylum campechianum</i> L.: Campeche absolute / Campeche extract / Campeche oil / Campeche tincture	All species
	Hake, cod, shark, haddock (extract, fermentolysate of fish cartilage)	All species
	<i>Hamamelis virginiana</i> L.: Hamamelis absolute CoE 222 / Hamamelis tincture CoE 222	All species
	<i>Hamelia patens</i> Jacq.: Scarlet concentrate / Scarlet distillate / Scarlet extract / Scarlet tincture	All species
	<i>Harungana madagascariensis</i> Lam. ex Poir.: Botonongolo / Harungana absolute /	All species

**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 230/2013. (See end of Document for details)

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	Botonongolo / Harungana extract / Botonongolo / Harungana oil / Botonongolo / Harungana tincture	
	<i>Hedeoma pulegioides</i> (L.) Pers.: Pennyroyal absolute CoE 223 / Pennyroyal extract CoE 223 / Pennyroyal oil CoE 223 / Pennyroyal tincture CoE 223	All species
	<i>Hedera helix</i> L.: Common ivy absolute / Common ivy tincture	All species
	<i>Helianthemum canadense</i> (L.) Michx.: Canadian Sunrose absolute / Canadian Sunrose extract / Canadian Sunrose oil / Canadian Sunrose tincture	All species
	<i>Helianthus annuus</i> L.: Sunflower absolute / Sunflower oil / Sunflower tincture	All species
	<i>Helichrysum angustifolium</i> DC.: Helichrysum absolute CAS 8023-95-8 CoE 225 Einecs 289-918-2 / Helichrysum leaf absolute CAS 8023-95-8 CoE 225 Einecs 289-918-2 / Immortelle absolute CAS 8023-95-8 CoE 225 Einecs 289-918-2 / Helichrysum flowers concrete CAS 91845-22-6 CoE 225 Einecs 295-193-3 / Immortelle extract CAS 8023-95-8 FEMA 2592 CoE 225 Einecs 289-918-2 / Helichrysum flower oil CAS 90045-56-0 CoE 225 Einecs 289-918-2 / Helichrysum leaf oil CAS 8023-95-8 CoE 225 Einecs 289-918-2	All species

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	<i>Hevea brasiliensis</i> (H.B.K.) Muell. Arg.: Rubber tree absolute / Rubber tree extract / Rubber tree oil / Rubber tree tincture	All species
	<i>Hibiscus sabdariffa</i> L.: Roselle absolute CoE 229 / Roselle extract CoE 229 / Roselle oil CoE 229 / Roselle tincture CoE 229	All species
	<i>Hieracium pilosella</i> L.: Mouseear hawkweed extract / Mouseear hawkweed oil / Mouseear hawkweed tincture	All species
	<i>Hippophae rhamnoides</i> L.: Sea buckthorn concentrate CoE 231 / Sea buckthorn distillate CoE 231 / Sea buckthorn extract CoE 231	All species
	<i>Holarrhena antidysenterica</i> Wall. ex DC.: Tellicherry absolute / Tellicherry tincture	All species
	<i>Hordeum vulgare</i> L.: Barley extract CoE 232 / Malt extract CoE 232 / Malt distillate CoE 232	All species
	<i>Humulus lupulus</i> L.: Hop. Absolute CAS 8060-46-5 CoE 233 EINECS 232-504-3 / Hop. Extract CAS 8060-46-5 FEMA 2578 CoE 233 EINECS 232-504-3 / Hop. Extract solid CAS 8060-46-5 FEMA 2579 CoE 233 EINECS 232-504-3 / Hop. Oil CAS 8007-04-3 FEMA 2580 CoE 233 EINECS 232-504-3	All species
	<i>Hydrastis canadensis</i> L.: Golden seal extract / Golden seal tincture	All species
	<i>Hymenaea courbaril</i> L.: Jatoba absolute / Jatoba extract / Jatoba oil / Jatoba tincture	All species

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	<i>Hypericum perforatum</i> L.: St. John's wort absolute CoE 234 / St. John's wort extract CoE 234	All species
	<i>Hyssopus officinalis</i> L. = <i>H. decumbens</i> Jord. & Fourr.: Hyssop. Extract CAS 84603-66-7 FEMA 2590 CoE 235 EINECS 283-266-3 / Hyssop. Tincture CoE 235	All species
	<i>Iberis amara</i> : extract	All species
	<i>Ilex paraguariensis</i> St. Hil.: Mate absolute CAS 68916-96-1 CoE 237 EINECS 277-364-4 / Mate extract CAS 68916-96-1 CoE 237 EINECS 277-364-4 / Mate tincture CoE 237	All species
	<i>Illicium verum</i> Hook, <i>Anisum stellatum</i> : Anise star absolute CAS 8007-70-3 FEMA 2095 CoE 238 EINECS 283-518-1 / Anise star extract CAS 8007-70-3 FEMA 2096 CoE 238	All species
	<i>Impatiens balsamina</i> L.: Spotted snapweed absolute / Spotted snapweed extract / Spotted snapweed tincture	All species
	<i>Inula helenium</i> L.: Elecampane root extract CoE 240 / Elecampane root oil CAS 1397-82-7 CoE 240	All species
	<i>Iris florentina</i> L.: Orris root extract / resinoid CAS 8002-73-1 FEMA 2830 CoE 241 EINECS 289-955-4 / Orris root tincture CoE 241	All species
	<i>Jasminum grandiflorum</i> L.: Jasmine absolute CAS 8022-96-6 FEMA 2598 CoE 245 EINECS 289-960-1 / Jasmine concrete CAS 8022-96-6 FEMA 2599	All species



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	CoE 245 Einecs 289-960-1 / Jasmine oil CAS 8022-96-6 FEMA 2600 CoE 245 Einecs 289-960-1 / Jasmine spiritus CAS 8022-96-6 FEMA 2601 CoE 245 Einecs 289-960-1	
	<i>Jateorhiza palmata</i> (Lam.) Miers: Calumba absolute CoE 247 / Calumba extract CoE 247 / Calumba oil CoE 247 / Calumba tincture CoE 247	All species
	<i>Juglans regia</i> L.: Walnut distillate CoE 248 / Walnut hull extract CAS 84012-43-1 FEMA 3111 CoE 248 Einecs 281-688-1 / Walnut leaves extract CoE 248 / Walnut tincture CoE 248	All species
	<i>Juniperus communis</i> L.: Juniper absolute CAS 8012-91-7 CoE 249 / Juniper berry extract CAS 84603-69-0 FEMA 2603 CoE 249 Einecs 283-268-3	All species
	<i>Juniperus mexicana</i> Schiede: Cedarwood Texas absolute	All species
	<i>Juniperus oxycedrus</i> L.: Cade extract CoE 250 / Cade oil CAS 8013-10-3 CoE 250 / Cade tincture CoE 250	All species
	<i>Juniperus virginiana</i> L.: Cedarwood virginia absolute CoE 252 / Cedarwood virginia extract CoE 252 / Cedarwood virginia oil CAS 8000-27-9 CoE 252 Einecs 285-370-3 / Cedarwood virginia tincture CoE 252	All species
	<i>Kalanchoe pinnata</i> (Lam.) Pers.: Cathedral bells absolute / Cathedral bells extract / Cathedral bells oil / Cathedral bells tincture	All species

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	<i>Knautia arvensis</i> (L.) Coult.: Field scabiosa absolute / Field scabiosa extract / Field scabiosa oil / Field scabiosa tincture	All species
	<i>Krameria triandra</i> Ruiz et Pav.: Rhatany extract CAS 84775-95-1 FEMA 2979 CoE 253 / Rhatany tincture CoE 253	All species
	<i>Kunzea ericoides</i> (A. Rich.) J. Thomps.: Kunzea teatree absolute / Kunzea teatree extract / Kunzea teatree oil / Kunzea teatree tincture	All species
	<i>Lactuca sativa</i> L.: Lettuce extract / Lettuce tincture	All species
	<i>Lagenaria siceraria</i> (Mol.) Standl.: Bottle gourd distillate / Bottle gourd extract / Bottle gourd tincture	All species
	<i>Laminaria spp.</i> : Kelp absolute CoE 533 / Kelp extract CoE 533 / Kelp tincture CoE 533	All species
	<i>Lamium album</i> L.: White deadnettle absolute / White deadnettle extract / White deadnettle tincture	All species
	<i>Larrea mexicana</i> Moric.: Creosote bush absolute CoE 254 / Creosote bush extract CoE 254 / Creosote bush oil CoE 254 / Creosote bush tincture CoE 254	All species
	<i>Lavandula angustifolia</i> Mill., <i>L. angustifolia</i> x <i>L. latifolia</i> : Lavender absolute CAS 97660-01-0 FEMA 2620 CoE 257 Einecs 307-508-4 / Lavender concrete CAS 97660-01-0 FEMA 2621 CoE 257 Einecs 307-508-4	All species

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	<i>Lavandula latifolia</i> Medik.: Spike lavender absolute CoE 256 / Spike lavender extract CoE 256	All species
	<i>Lavandula stoechas</i> L.: Roman lavender absolute CoE 258 / Roman lavender extract CoE 258 / Roman lavender oil CoE 258 / Roman lavender tincture CoE 258	All species
	<i>Ledum palustre</i> : tincture	All species
	<i>Lentinus edodes</i> s.l. (Berk.) Sing.: Shiitake absolute / Shiitake extract / Shiitake oil / Shiitake tincture	All species
	<i>Leonurus cardiaca</i> : extract	All species
	<i>Lepidium meyenii</i> Walp.: Maca absolute / Maca oil / Maca tincture	All species
	<i>Leptospermum citratum</i> Forst.: Tea tree absolute CoE 260 / Tea tree oil CoE 260 / Tea tree tincture CoE 260	All species
	<i>Leptospermum scoparium</i> J. R. et G. Forst.: Broom teatree absolute / Broom teatree distillate / Broom teatree extract / Broom teatree tincture	All species
	<i>Lespedeza cyrtobotrya</i> Miq.: Leafy lespedeza absolute / Leafy lespedeza extract / Leafy lespedeza oil / Leafy lespedeza tincture	All species
	<i>Levisticum officinale</i> Koch: Lovage extract CAS 8016-31-7 FEMA 2650 CoE 261 Einecs 284-292-7 / Lovage leaf oil CAS 8016-31-7 CoE 261 Einecs 284-292-7 / Lovage tincture CoE 261	All species

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	<i>Linaria vulgaris</i> (L.) Mill. / Hill: Butter and eggs absolute / Butter and eggs extract / Butter and eggs tincture	All species
	<i>Linum usitatissimum</i> L.: Linseed absolute CAS 8001-26-1 CoE 263 Einescs 232-278-6 / Linseed extract CoE 263	All species
	<i>Lippia citriodora</i> Kundt.: Absolute CAS 8024-12-2 CoE 264 Einescs 285-515-0 / Oil CAS 8024-12-2 CoE 264 Einescs 285-515-0 / Extract CAS 8024-12-2 CoE 264 / Tincture CoE 264	All species
	<i>Liquidambar orientalis</i> Mill.: Styrax oil CAS 8024-01-9 CoE 265 / Styrax extract CAS 8046-19-3 FEMA 3037 CoE 265 Einescs 232-523-7	All species
	<i>Litsea cubeba</i> Pers.: Litsea berry absolute CoE 491 / Litsea berry extract CoE 491	All species
	<i>Lonicera japonica</i> Thunb.: Honeysuckle absolute / Honeysuckle extract / Honeysuckle oil / Honeysuckle tincture	All species
	<i>Lycopodium clavatum</i> L.: Running clubmoss absolute / Running clubmoss extract / Running clubmoss tincture	All species
	<i>Lythrum salicaria</i> L.: Purple loosestrife absolute / Purple loosestrife extract / Purple loosestrife oil	All species
	<i>Macrobrachium rosenbergii</i> , <i>Panadalus borealis</i> , <i>Penaeus aztecus</i> , <i>P. japonicus</i> e.a., <i>Scylla serrata</i> , <i>S. tranquebarica</i> e.a., <i>Panulirus</i>	All species

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	<i>homarus</i> , <i>P. ornatus</i> e.a.: shell extract of	
	<i>Mangifera indica</i> L.: Mango concentrate CoE 270 / Mango, spraydried CoE 270 / Mango distillate CoE 270 / Mango extract CoE 270 / Mango oil CoE 270	All species
	<i>Magnolia spp.</i> , e.g. <i>Magnolia officinalis</i> Rehd & Wils.: Magnolia extract	All species
	<i>Mallotus philippinensis</i> (Lam.) Muell. Arg.: Kamala absolute CoE535 / Kamala tincture CoE 535	All species
	<i>Malpighia glabra</i> L.: Acerola absolute / Acerola concentrate / Acerola tincture	All species
	<i>Malus sylvestris</i> Mill.: Spraydried CoE 386 / distillate CoE 386 / essence oil CoE 386 / extract CoE 386	All species
	<i>Malva silvestris</i> L.: Sorrel absolute CoE 268 / Sorrel extract CoE 268 / Sorrel oil CoE 268 / Sorrel tincture CoE 268	All species
	<i>Marrubium vulgare</i> L.: Horehound absolute CoE 271 / Horehound extract CAS 84696-20-8 FEMA 2581 CoE 271 Einecs 283-638-4 / Horehound oil CoE 271 / Horehound tincture CoE 271	All species
	<i>Marsdenia cundurango</i> Rchb.: Condurango extract CoE 272 / Condurango tincture CoE 272	All species
	<i>Matricaria suaveolens</i> (Pursh.) Buchenau: German chamomile absolute / German chamomile extract /	All species

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	German chamomile oil / German chamomile tincture	
	<i>Maytenus ilicifolia</i> Mart.: Espinheira santa absolute / Espinheira santa extract / Espinheira santa oil / Espinheira santa tincture	All species
	<i>Maytenus krukovii</i> A. C. Sm.: Chuchuasi absolute / Chuchuasi extract / Chuchuasi oil / Chuchuasi tincture	All species
	<i>Medicago sativa</i> L.: Alfalfa extract CAS 84082-36-0 FEMA 2013 CoE 274 EINECS 281-984-0 / Alfalfa oil CoE 274	All species
	<i>Melaleuca alternifolia</i> Cheel.: Tea tree absolute CoE 275	All species
	<i>Melaleuca cajuputi</i> Powell = <i>M. leucadendron</i> L.: Melaleuca cajuputi absolute CoE 276 / Melaleuca cajuputi extract CoE 276 / Melaleuca cajuputi tincture CoE 276	All species
	<i>Melaleuca quinquenervia</i> (Cav.) Blake: Punktree absolute / Punktree extract / Punktree oil / Punktree tincture	All species
	<i>Melaleuca viridiflora</i> Soland ex Gaertn.: Niaouli absolute / Niaouli extract / Niaouli tincture	All species
	<i>Melia toosendan</i> Siebold & Zucc.: Melia fruit distillate / Melia fruit concentrate / Melia fruit extract / Melia tincture	All species
	<i>Melilotus officinalis</i> (L.) Pall.: Melilot absolute CoE 279 / Melilot oil CoE 279 /	All species

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	Melilot extract CoE 279 / Melilot tincture CoE 279	
	<i>Mentha arvensis</i> L.: Mentha arvensis extract CAS 68917-18-0 CoE 492 / Cornmint / Mentha arvensis oil dementholized CoE 492 / (= Mentha arvensis terpenes) / Cornmint / Mentha arvensis tincture CoE 492	All species
	<i>Mentha pulegium</i> L.: Pennyroyal absolute CoE 283 / Pennyroyal tincture CoE 283	All species
	<i>Mentha spicata</i> L.: Spearmint extract CAS 84696-51-5 FEMA 3031 CoE 286 (= CoE 284b, 285a, 285c) Einecs 283-656-2 / Spearmint tincture CoE 286	All species
	<i>Mentha viridis</i> L.: Absolute CoE 286	All species
	<i>Mentha x piperita</i> L. = <i>M. aquatica</i> x <i>M. spicata</i> L.: Peppermint oleoresin/ extract CAS 8006-90-4 FEMA 2848 CoE 282 Einecs 308-770-2 / Peppermint oil dementholized CoE 282 / (= Peppermint oil terpenes)	All species
	<i>Menyanthes trifoliata</i> L.: Buckbean absolute CoE 287 / Buckbean leaves extract CoE 287 / Buckbean leaves tincture CoE 287	All species
	<i>Merluccius capensis</i> , <i>Galeorhinus australis</i> e.a., / Cartilage	All species
	<i>Michelia alba</i> DC.: Ginkgo boku absolute / Ginkgo boku tincture	All species
	<i>Michelia champaca</i> L.: Champaca absolute CoE	All species

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	289 / Champaca concrete CoE 289	
	<i>Mikania cordifolia</i> (L. f.) Willd.: Hempvine absolute / Hempvine extract / Hempvine oil / Hempvine tincture	All species
	<i>Mikania hirsutissima</i> DC.: Cipo cabeludo absolute / Cipo cabeludo extract / Cipo cabeludo oil / Cipo cabeludo tincture	All species
	<i>Mimosa pudica</i> L.: Shameplant absolute / Shameplant extract / Shameplant oil / Shameplant tincture	All species
	<i>Mirabilis jalapa</i> L.: Clavillia absolute / Clavillia extract / Clavillia oil / Clavillia tincture	All species
	<i>Momordica charantia</i> L.: Bitter melon absolute / Bitter melon extract	All species
	<i>Monarda didyma</i> L.: Horsemint absolute / Horsemint extract CAS 8006-85-7 FEMA 2582 / Horsemint oil / Horsemint tincture	All species
	<i>Morinda citrifolia</i> L.: Indian mulberry extract / Indian mulberry tincture	All species
	<i>Mucuna pruriens</i> (L.) DC.: Cowitch absolute / Cowitch extract / Cowitch oil / Cowitch tincture	All species
	<i>Musa spp.</i> : Banana, spraydried CoE 294 / Banana distillate CoE 294 / Banana extract CoE 294	All species
	<i>Myrcia salicifolia</i> DC.: Pedra hume caa absolute / Pedra	All species



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	hume caa extract / Pedra hume caa oil / Pedra hume caa tincture	
	<i>Myrciaria dubia</i> (H. B. K.) McVaugh: Camu-camu absolute / Camu-camu extract / Camu-camu oil / Camu-camu tincture	All species
	<i>Myristica fragrans</i> Houtt.: Nutmeg extract CAS 84082-68-8 CoE 296 Einecs 282-013-3 / Mace oleoresin / extract CAS 8007-12-3 FEMA 2654 CoE 296 Einecs 282-013-3 / Mace / Nutmeg tincture CoE 296	All species
	<i>Myroxylon balsamum</i> (L.) Harms var. pereirae: Balsam Peru tincture CoE 298	All species
	<i>Myroxylon balsamum</i> (L.) Harms: Tolu balsam absolute CAS 9000- 64-0 CoE 297 Einecs 232-550-4	All species
	<i>Myrtus communis</i> L.: Myrtle absolute CoE 300 / Myrtle oil CAS 8008-46-6 CoE 300 Einecs 282-012-8 / Myrtle tincture CoE 300	All species
	<i>Nardostachys jatamansi</i> (D. Don) DC. = <i>Valeriana j.</i> L.: Indian narde extract CoE 536 / Indian narde oil CoE 536 / Indian narde tincture CoE 536	All species
	<i>Neolitsea cassia</i> (L.) Klosterm.: Cassia laurel absolute / Cassia laurel extract / Cassia laurel oil / Cassia laurel tincture	All species
	<i>Nepeta cataria</i> L.: Catmint (= Catnip) absolute CoE 302 / Catmint (= Catnip) extract CoE 302 / Catmint (=	All species

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	Catnip)oil CoE 302 / Catmint (= Catnip) tincture CoE 302	
	<i>Nigella sativa</i> L.: Black caraway absolute CoE 307 / Black Caraway extract CoE 307 / Black Caraway oil CAS 8000-42-8 FEMA 2237 CoE 307 Einecs 288-921-6 / Black Caraway tincture CoE 307	All species
	<i>Ocimum basilicum</i> L.: Basil sweet absolute CAS 8015-73-4 CoE 308 Einecs 283-900-8 / Basil extract CAS 8015-73-4 FEMA 2120 CoE 308 Einecs 283-900-8 / Basil sweet oleoresin CAS 8015-73-4 CoE 308 Einecs 283-900-8	All species
	<i>Ocimum sanctum</i> L.: Sacred basil oil / Sacred basil tincture	All species
	<i>Olea europaea</i> L.: Olive absolute CAS 8001-25-0 CoE 309 Einecs 232-277-0 / Olive concrete CAS 8001-25-0 CoE 309 Einecs 232-277-0 / Olive tincture CoE 309	All species
	<i>Ononis spinosa</i> L.: Spiny restharrow absolute CoE 312 / Spiny restharrow extract CoE 312 / Spiny restharrow tincture CoE 312	All species
	<i>Opopanax chironium</i> (L.) Koch, <i>Commiphora erythrea</i> Engler: Opopanax absolute CAS 8021-36-1 CoE 313 Einecs 232-558-8 / Opopanax extract resinoid CAS 8021-36-1 CoE 313 Einecs 232-558-8	All species
	<i>Origanum dictamnus</i> L.: Dittany of Crete absolute CoE 315 / Dittany of Crete extract CoE 315 / Dittany of	All species

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	Crete oil CoE 315 / Dittany of Crete tincture CoE 315	
	<i>Origanum majorana</i> L. = <i>Majorana hortensis</i> Moench.: Marjoram sweet CAS 8015-01-8 FEMA 2662 CoE 316 / Marjoram oleoresin CAS 84082-58-6 FEMA 2659 CoE 316 EINECS 282-004-4 / Marjoram tincture CoE 316	All species
	<i>Origanum vulgare</i> L., <i>Lippia</i> ssp.: Oregano oleoresin/ extract CAS 8007-11-2 FEMA 2827 CoE 317	All species
	<i>Orthosiphon stamineus</i> Benth.: Cat's whiskers extract / Cat's whiskers tincture	All species
	<i>Osmanthus fragrans</i> Lour.: Osmanthus absolute CAS 92347-21-2 FEMA 3750 CoE 513 EINECS 296-209-1 / Osmanthus extract CoE 513 / Osmanthus tincture CoE 513	All species
	<i>Paeonia lactiflora</i> Pall. = <i>P.</i> <i>albiflora</i> Pall.: Chinese peony absolute / Chinese peony extract / Chinese peony oil	All species
	<i>Pandanus fascicularis</i> Lam.: Pandanus absolute / Pandanus extract / Pandanus oil / Pandanus tincture	All species
	<i>Papaver rhoeas</i> L.: Red poppy absolute CoE 319 / Red poppy extract CoE 319 / Red poppy oil CoE 319 / Red poppy tincture CoE 319	All species
	<i>Papaver somniferum</i> L.: Poppy seed oil CoE 320 / Poppy seed extract CoE 320	All species
	<i>Parietaria officinalis</i> L.: Upright pellitory absolute / Upright pellitory extract /	All species

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	Upright pellitory oil / Upright pellitory tincture	
	<i>Passiflora edulis</i> Sims. = <i>P. incarnata</i> L.: Passionfruit, spraydried CoE 321 / Passionfruit concentrate CoE 321 / Passionfruit distillate CoE 321 / Passionfruit essence oil CoE 321	All species
	<i>Pastinaca sativa</i> L.: Parsnip. Absolute CoE 322 / Parsnip. Oil CoE 322 / Parsnip. Tincture CoE 322	All species
	<i>Paliurus spina-christi</i> P. Mill.: Jerusalem thorn absolute / Jerusalem thorn extract / Jerusalem thorn oil / Jerusalem thorn tincture	All species
	<i>Paullinia cupana</i> H.B.K.: Guarana absolute CoE 323 / Guarana extract CoE 323 / Guarana tincture CoE 323	All species
	<i>Pausinystalia yohimbe</i> Pierre: Yohimbe absolute / Yohimbe extract / Yohimbe tincture	All species
	<i>Pelargonium asperum</i> Her. ex Spreng.: Geranium absolute / Geranium extract / Geranium tincture	All species
	<i>Pelargonium graveolens</i> L'Herit. ex Ait.: Geranium extract CAS 8000-46-2 CoE 324 Eines 290-140-0 / Geranium tincture CoE 324	All species
	<i>Pelargonium reniforme</i> (syn <i>Pelargonium sidoides</i> ): extract	All species
	<i>Perilla frutescens</i> (L.) Britt.: Perilla oil CoE 514 / Perilla leaf oil FEMA 4013 CoE 514 / Perilla extract CoE 514	All species
	<i>Persea americana</i> Mill. = <i>P. gratissima</i> Gaernt.: Avocado	All species

**Changes to legislation:** There are currently no known outstanding effects for the  
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	absolute CoE 325 / Avocado extract CoE 325 / Avocado tincture CoE 325	
	<i>Petiveria alliacea</i> L.: Anamu absolute / Anamu extract / Anamu oil / Anamu tincture	All species
	<i>Petroselinum sativum</i> Hoffm. = <i>P. crispum</i> Mill. = <i>P. hortense</i> L.: Parsley oleoresin CAS 8000-68-6 FEMA 2837 CoE 326 Einecs 281-677-1 / Parsley seed extract CAS 8000-68-6 CoE 326 Einecs 281-677-1	All species
	<i>Peucedanum ostruthium</i> (L.) Koch = <i>Imperatoria o.</i> L.: Masterwort absolute / Masterwort extract / Masterwort oil / Masterwort tincture	All species
	<i>Pfaffia paniculata</i> (Mart.) Kuntze: Suma absolute / Suma extract / Suma oil / Suma tincture	All species
	<i>Phaseolus vulgaris</i> : tincture	All species
	<i>Phlebodium decumanum</i> (Willd.) J. Sm. = <i>Polypodium d.</i> Willd.: Polypody absolute / Polypody extract / Polypody tincture	All species
	<i>Phoenix dactylifera</i> L.: Date distillate CoE 329 / Date extract CoE 329 / Date tincture CoE 329	All species
	<i>Phyllanthus amarus</i> Schumach. & Thonn.: Feather foll extract / Feather foll tincture	All species
	<i>Phyllanthus niruri</i> L.: Quebra pedra absolute / Quebra pedra extract / Quebra pedra oil / Quebra pedra tincture	All species

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	<i>Physalis angulata</i> L.: Mullaca absolute / Mullaca extract / Mullaca oil / Mullaca tincture	All species
	<i>Physalis peruviana</i> L.: Cape gooseberry concentrate / Cape gooseberry distillate / Cape gooseberry extract / Cape gooseberry tincture	All species
	<i>Phytolacca americana</i> L.: Pokeweed absolute / Pokeweed extract / Pokeweed oil / Pokeweed tincture	All species
	<i>Picea excelsa</i> (Lam.) Link = <i>P. abies</i> L.: Spruce absolute CoE 331 / Spruce oil CAS 8008-80-8 FEMA 3034 CoE 331 EINECS 294-420-3 / Spruce resin CoE 331 / Spruce tincture CoE 331	All species
	<i>Picrasma excelsa</i> (Sw.) Planch. = <i>Quassia excelsa</i> Sw., <i>Quassia amara</i> L.: Quassia extract CAS 68915-32-2 FEMA 2971 CoE 332 EINECS 272-809-9 / Quassia tincture CoE 332	All species
	<i>Pilocarpus pennatifolius</i> Lem. = <i>P. jaborandi</i> Holmes: Jaborandi absolute / Jaborandi extract / Jaborandi oil / Jaborandi tincture	All species
	<i>Pimenta dioica</i> L. Merr. = <i>P. officinalis</i> Lind L.: Allspice absolute CoE 335 / Allspice extract / oleoresin CAS 8006-77-7 FEMA 2019 CoE 335 EINECS 284-540-4 / Allspice tincture CoE 335	All species
	<i>Pimenta racemosa</i> (Mill.) J.W.Moore: Bay extract CoE 334 / Bay tincture CoE 334	All species
	<i>Pimpinella anisum</i> L.: Anise absolute CoE 336 / Anise	All species

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	oleoresin CAS 84775-42-8 CoE 336 Einecs 283-872-7	
	<i>Pinus mugo</i> Turra: Pine needle oil, dwarf CAS 800026-8 FEMA 2904 CoE 339 Einecs 290-163-6 / Pine needle tincture, dwarf CoE 339	All species
	<i>Pinus palustris</i> Mill.: Longleave pine oil CoE 340 / Longleave pine tincture CoE 340 / Pine tar oil CAS 97435-14-8 FEMA 2907 CoE 340	All species
	<i>Pinus pinaster</i> Soland.: Pine absolute	All species
	<i>Pinus spp.</i> , e.g. <i>P. sylvestris</i> L.: Pine tar oil CAS 97435-14-8 FEMA 2907 CoE 340	All species
	<i>Piper cubeba</i> L.: Cubeb oil CAS 8007-87-2 FEMA 2339 CoE 345 Einecs 290-148-4 / Cubeb oleoresin / extract CAS 8007-87-2 FEMA 2339 CoE 345 Einecs 290-148-4	All species
	<i>Piper methysticum</i> G. Forst.: Kawa-kawa absolute / Kawa- kawa extract / Kawa-kawa oil	All species
	<i>Piper nigrum</i> L.: Pepper tincture CoE 347	All species
	<i>Pistacia lentiscus</i> L.: Mastic oil CAS 61789-92-2 CoE 349 Einecs 263-098-6 / Mastic absolute CAS 61789-92-2 CoE 349 Einecs 263-098-6 / Mastic resinoid / extract CoE 349	All species
	<i>Plantago afra</i> L.: Plantain absolute / Plantain extract / Plantain oil / Plantain tincture	All species
	<i>Plantago asiatica</i> L., <i>P.</i> <i>major</i> L.: Plantain absolute /	All species

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	Plantain extract / Plantain oil / Plantain tincture	
	<i>Plantago lanceolata</i> L.: Plantain extract CoE 352 / Plantain oil CoE 352 / Plantain tincture CoE 352	All species
	<i>Plantago ovata</i> L.: Fleawort extract / Fleawort oil / Fleawort tincture	All species
	<i>Pogostemon cablin</i> (Blanco) Benth.: Patchouli absolute CAS 8014-09-3 CoE 353 Eines 282- 493-4 / Patchouli tincture CoE 353	All species
	<i>Polianthes tuberosa</i> L.: Tuberose oil CAS 8024-05-3 FEMA 3084 CoE 354 / Tuberose concrete/extract CAS 8024-05-3 CoE 354	All species
	<i>Polygala senega</i> L.: Senega snake root absolute CoE 355 / Senega snake root extract CoE 355 / Senega snake root oil CoE 355 / Senega snake root tincture CoE 355	All species
	<i>Polygonum aviculare</i> L.: Prostrate knotweed absolute CoE 515 / Prostrate knotweed extract CoE 515 / Prostrate knotweed tincture CoE 515	All species
	<i>Polygonum bistorta</i> L.: Bistort absolute CoE 356 / Bistort extract CoE 356 / Bistort oil CoE 356 / Bistort tincture CoE 356	All species
	<i>Populus nigra</i> L.: Poplar oil CoE 361 / Poplar concrete / oleoresin CoE 361 / Poplar tincture CoE 361	All species
	<i>Populus tremula</i> L.: Aspen absolute / Aspen extract / Aspen tincture	All species



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	<i>Potentilla anserina</i> L.: Silverweed cinquefoil absolute CoE 362 / Silverweed cinquefoil extract CoE 362 / Silverweed cinquefoil oil CoE 362 / Silverweed cinquefoil tincture CoE 362	All species
	<i>Potentilla erecta</i> L.; synonyme <i>Potentilla</i> <i>tormentilla</i> Stokes: Tormentill extract CoE 493	All species
	<i>Potentilla fruticosa</i> L.: Shrubby cinquefoil absolute / Shrubby cinquefoil extract / oleoresin / Shrubby cinquefoil oil	All species
	<i>Potentilla reptans</i> L.: Creeping cinquefoil absolute / Creeping cinquefoil extract / oleoresin / Creeping cinquefoil oil	All species
	<i>Primula veris</i> L.: Cowslip. Absolute / Cowslip. Extract / Cowslip. Tincture	All species
	<i>Primula vulgaris</i> Huds. = <i>P. acaulis</i> L.: Primrose absolute / Primrose extract / Primrose tincture	All species
	<i>Prunella vulgaris</i> L.: Self heal / Prunella absolute CoE 365 / Self heal / Prunella extract CoE 365 / Self heal / Prunella oil CoE 365 / Self heal / Prunella tincture CoE 365	All species
	<i>Prunus avium</i> L.: Cherry, spraydried CoE 369 / Cherry concentrate CoE 369 / Cherry distillate CoE 369 / Cherry pits extract CoE 369	All species
	<i>Prunus cerasus</i> L.: Cherry, spraydried CoE 370 / Cherry concentrate CoE 370 / Cherry	All species

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	distillate CoE 370 / Cherry pits extract CAS 8997-54-6 FEMA 2278 CoE 370 Einecs 289-689-9	
	<i>Prunus domestica</i> L.: Prune concentrate CoE 371 / Prune distillate CoE 371 / Prune extract CoE 371 / Prune seed oil CoE 371 / Prune tincture CoE 371	All species
	<i>Prunus laurocerasus</i> L.: Cherry laurel oil CoE 372 / Cherry laurel tincture CoE 372	All species
	<i>Prunus serotina</i> Ehrh.: Cherry bark extract CAS 84604-07-9 FEMA 2276 CoE 375 Einecs 283-284-0 / Cherry bark tincture CoE 375	All species
	<i>Prunus spinosa</i> L.: Blackthorn / Sloe concentrate CoE 376 / Blackthorne / Sloe extract CAS 90105-94-5 FEMA 3021 CoE 376 Einecs 290-213-7 / Blackthorne extract solid CAS 90105-94-5 FEMA 3022 CoE 376 Einecs 290-213-7	All species
	<i>Psidium guajava</i> L.: Guava, spraydried CoE 377 / Guava concentrate CoE 377 / Guava distillate CoE 377 / Guava extract CoE 377	All species
	<i>Ptychopetalum olacoides</i> Benth.: Muira puama absolute / Muira puama extract / Muira puama oil / Muira puama tincture	All species
	<i>Pulmonaria officinalis</i> L.: Common lungwort absolute / Common lungwort extract / Common lungwort tincture	All species

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	<i>Punica granatum</i> L.: Pomegranate concentrate CoE 381 / Pomegranate distillate CoE 381 / Pomegranate tincture CoE 381	All species
	<i>Pyrus aucuparia</i> L. = <i>Sorbus a.</i> L.: Concentrate CoE 383 / Extract CoE 383 / Tincture CoE 383	All species
	<i>Quercus alba</i> L.: Oak chips extract CAS 68917-11-3 FEMA 2794 CoE 388 Einecs 272-838-7 / Oak bark extract CoE 388 / Oak tincture CoE 388	All species
	<i>Quercus ilex</i> L.: Oak chips extract CoE 389 / Oak bark extract CoE 389 / Oak tincture CoE 389	All species
	<i>Quercus robur</i> L., <i>Q. pedunculata</i> Ehrh.: Oak wood tincture CoE 390 / Oak wood distillate CoE 390	All species
	<i>Quillaja saponaria</i> Molina: Quillaia tincture CoE 391	All species
	<i>Raphanus sativus</i> L.: Radish oil CoE 392 / Radish extract CoE 392 / Radish tincture CoE 392	All species
	<i>Rehmannia glutinosa</i> (Gaertn.) Libosch.: Tihuang absolute / Tihuang extract / Tihuang oil / Tihuang tincture	All species
	<i>Rhamnus frangula</i> L.: Alder buckthorn absolute CoE 394 / Alder buckthorn extract CoE 394 / Alder buckthorn tincture CoE 394	All species
	<i>Rhamnus purshianus</i> DC.: Cascara absolute CoE 395 / Cascara extract (bitterless) CAS 8007-06-5 FEMA 2253	All species

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	CoE 395 / Cascara tincture CoE 395	
	<i>Rheum nobile</i> Hook. F. et Thoms.: Asian rhubarb absolute / Asian rhubarb extract / Asian rhubarb oil / Asian rhubarb tincture	All species
	<i>Rheum officinale</i> Baill.: Rhubarb rhizome CoE 569 / Rhubarb absolute CoE 569 / Rhubarb extract CoE 569 / Rhubarb tincture CoE 569	All species
	<i>Rhodymenia palmata</i> Grev.: Dulse extract / Dulse tincture	All species
	<i>Rhus aromatica</i> (syn. <i>Rhus canadensis</i> ): extract	All species
	<i>Ribes nigrum</i> L.: Black currant buds absolute CAS 68606-81-5 FEMA 2346 CoE 399 Einecs 271-749-0 / Black currant buds concrete CAS 68606-81-5 FEMA 2346 CoE 399 Einecs 271-749-0 / Black currant concentrate CoE 399 / Black currant distillate CoE 399 / Black currant seed oil CAS 68606-81-5 FEMA 2346 CoE 399 Einecs 271-749-0	All species
	<i>Ribes rubrum</i> L.: Redcurrant, spraydried CoE 400 / Redcurrant concentrate CoE 400 / Redcurrant distillate CoE 400 / Redcurrant extract CoE 400	All species
	<i>Ricinus communis</i> : extract	All species
	<i>Rosa canina</i> L.: Rose absolute CAS 8007-01-0 FEMA 2988 CoE 403 Einecs 283-289-8 / Rose oil CAS 8007-01-0 CoE 403 Einecs 283-289-8 / Rose hips whole CoE 403 / Rose hip. Concentrate CoE 403 / Rose	All species

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	hips distillate CoE 403 / Rose hips extract CAS 8007-01-0 FEMA 2990 CoE 403 EINECS 283-289-8 / Rose hip. Oil CoE 403	
	<i>Rosa laevigata</i> Mich.: Cherokee rose extract / Cherokee rose tincture	All species
	<i>Rosa spp.</i> , e.g. <i>Rosa centifolia</i> L., <i>R. gallica</i> L., <i>Rosa x damascena</i> Mill.: Rose absolute CoE 404/405 / Rose oil CAS 8007-01-0 FEMA 2989 CoE 404/405 EINECS 283-289-8 / Rose water essence CAS 84604-12-6 FEMA 2993 CoE 404 EINECS 283-289-8 / Rose tincture CoE 404/405	All species
	<i>Rosmarinus officinalis</i> L.: Rosemary absolute CAS 8000-25-7 FEMA 2992 CoE 406 EINECS 283-291-9 / Rosemary oil terpenless CAS 68917-54-4 CoE 406 EINECS 283-291-9	All species
	<i>Rubus idaeus</i> L.: Raspberry, spraydried CoE 409 / Raspberry concentrate CoE 409 / Raspberry distillate CoE 409 / Raspberry extract CoE 409 / Raspberry tincture CoE 409	All species
	<i>Rubus spp.</i> , (e.g. <i>Rubus fruticosus</i> L.): Blackberry, spraydried CoE 408 / Blackberry concentrate CoE 408 / Blackberry distillate CoE 408 / Blackberry extract CoE 408 / Blackberry bark extract CAS 84787-69-9 FEMA 2155 CoE 408 EINECS 284-110-6	All species
	<i>Rumex acetosa</i> : extract	All species

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	<i>Rumex patientia</i> L.: Herb patiens absolute / Herb patiens extract / Herb patiens oil / Herb patiens tincture	All species
	<i>Ruscus aculeatus</i> L.: Ruscus absolute / Ruscus extract / Ruscus oil / Ruscus tincture	All species
	<i>Ruta graveolens</i> L.: Rue oil CAS 8014-29-7 FEMA 2995 CoE 412 EINECS 284-531-5 / Rue tincture CoE 412	All species
	<i>Saccharomyces cerevisiae</i> Hansen: Yeast extract / Yeast oil	All species
	<i>Saccharum officinarum</i> L.: Sugar cane distillate / Sugar cane extract	All species
	<i>Salacia reticulata</i> Wight: Salacia extract / Salacia tincture	All species
	<i>Salix caprea</i> L.: Common willow absolute / Common willow extract / Common willow tincture	All species
	<i>Salvia lavandulifolia</i> Vahl: Spanish sage absolute CAS 8016-65-7 CoE 413 / Spanish sage oleoresin CoE 413 / Spanish sage tincture CoE 413	All species
	<i>Salvia officinalis</i> L.: Sage dalmatian oil CAS 8016-64-6 CoE 414 / Sage oleoresin / extract CAS 8022-56-6 FEMA 3002 CoE 414 EINECS 308-365-0	All species
	<i>Salvia sclarea</i> L.: Clary sage absolute CAS 8016-63-5 CoE 415 EINECS 283-911-8 / Clary sage concrete CAS 8016-63-5 CoE 415 EINECS 283-911-8	All species

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	<i>Sambucus canadensis</i> L., <i>S. nigra</i> L.: Elder flowers absolute CAS 68916-55-2 CoE 417 Einecs 283-259-4 / Elder flowers oil CAS 91722-58-6 FEMA 2408 CoE 416 Einecs 294-458-0 / Elder flowers extract CoE 417 / Elderberry extract CoE 417 / Elderberry concentrate CoE 417	All species
	<i>Sanguinaria canadensis</i> L.: Bloodroot absolute CoE 418 / Bloodroot extract CoE 418 / Bloodroot tincture CoE 418 /	All species
	<i>Sanguisorba officinalis</i> L.: Official burnet absolute / Official burnet extract / Official burnet tincture	All species
	<i>Santalum album</i> L.: Sandelwood absolute CoE 420 / Sandalwood distillate CoE 420 / Sandalwood oil CAS 8006-87-9 FEMA 3005 CoE 420 Einecs 284-111-1 / Sandelwood tincture CoE 420	All species
	<i>Santolina chamaecyparissus</i> L.: Santolina absolute CoE 421 / Santolina oil CoE 421 / Santolina tincture CoE 421	All species
	<i>Sapindus saponaria</i> L.: Soapberry distillate / Soapberry extract / Soapberry tincture	All species
	<i>Saponaria officinalis</i> L.: Soapwort absolute CoE 422 / Soapwort oil CoE 422 / Soapwort extract CoE 422 / Soapwort tincture CoE 422	All species
	<i>Sassafras albidum</i> (Nutt.) Nees: Sassafras bark extract (Safrol-free) CAS 84787-72-4 FEMA 3010 CoE 424 Einecs	All species

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	284-113-2 / Sassafras oil CAS 84787-72-4 CoE 424 Einecs 284-113-2	
	<i>Satureja arvensis</i> (L.) Scheele = <i>Acinos a.</i> (Lam.) Dandy: Basilthyme absolute / Basilthyme extract / Basilthyme oil / Basilthyme tincture	All species
	<i>Satureja hortensis</i> L.: Savory summer oleoresin CAS 8016-68-0 FEMA 3014 CoE 425 Einecs 283-922-8	All species
	<i>Satureja montana</i> L.: Savory winter oleoresin CAS 90106-57-3 FEMA 3017 CoE 426 / Savory winter oil CAS 8016-68-0 FEMA 3016 CoE 426 Einecs 290-280-2 / Savory winter tincture CoE 426	All species
	<i>Saussurea lappa</i> C. B. Clarke: Costus absolute CoE 53 / Costus extract CoE 53 / Costus root oil CAS 8023-88-9 FEMA 2336 CoE 53 Einecs 290-278-1 / Costus tincture CoE 53	All species
	<i>Schinus molle</i> L.: Schinus molle absolute CoE 427 / Schinus molle oil CAS 68917-52-2 FEMA 3018 CoE 427 Einecs 305-104-2 / Schinus molle tincture CoE 427	All species
	<i>Schisandra chinensis</i> (Turcz.) Baill.: Omicha distillate / Omicha extract / Omicha oil	All species
	<i>Schizophyllum commune</i> Fries: Schizophyllum absolute / Schizophyllum extract / Schizophyllum tincture	All species



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	<i>Scoparia dulcis</i> L.: Vassourinha absolute / Vassourinha extract / Vassourinha oil / Vassourinha tincture	All species
	<i>Serenoa repens</i> (Bartr.) Small = <i>Sabal serrulata</i> L.: Sabal distillate / Sabal concentrate / Sabal tincture	All species
	<i>Sesamum indicum</i> L.: Sesame absolute CoE 429 / Sesame oil CoE 429 / Sesame extract CoE 429	All species
	<i>Silybum marianum</i> (L.) Gaertn. = <i>Carduus marianus</i> L.: Milk thistle absolute CoE 551 / Milk thistle oil CoE 551	All species
	<i>Simaruba amara</i> Aubl.: Simaruba absolute CoE 430 / Simaruba extract CoE 430 / Simaruba tincture CoE 430	All species
	<i>Sinapis alba</i> L., <i>S. arvensis</i> L.: Mustard seed CoE 431/432 / Mustard extract CoE 431/432 / Mustard oil CoE 431/432 / Mustard tincture CoE 431/432	All species
	<i>Sisymbrium officinale</i> (L.) Scop.: Hedgemustard herb / Hedgemustard absolute / Hedgemustard extract / Hedgemustard oil / Hedgemustard tincture	All species
	<i>Smilax sarsaparilla</i> L.: Sarsaparilla extract CAS 91770-66-0 FEMA 3009 CoE 434 Eines 294-852-2 / Sarsaparilla tincture CoE 434	All species
	<i>Solanum dulcamara</i> : tincture	All species
	<i>Solanum lycopersicum</i> L. = <i>Lycopersicon esculentum</i> Mill.: Tomato distillate CoE 267 / Tomato extract CoE	All species

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	267 / Tomato concentrate CoE 267	
	<i>Solanum paniculatum</i> L.: Absolute / Extract / Oil / Tincture	All species
	<i>Solidago canadensis</i> : extract	All species
	<i>Solidago virgaurea</i> L.: Goldenrot absolute / Goldenrot extract	All species
	<i>Sophora japonica</i> L.: Pagoda tree absolute / Pagoda tree extract / Pagoda tree Tincture	All species
	<i>Sorbus torminalis</i> (L.) Crantz = <i>Pyrus torminalis</i> Ehrh.: Checkertree concentrate CoE 387 / Checkertree distillate CoE 387 / Checkertree extract CoE 387 / Checkertree tincture CoE 387	All species
	<i>Spartium junceum</i> L.: Genet absolute CAS 8023-80-1 FEMA 2504 CoE 431 Einecs 290-331-9 / Genet extract CAS 90131-21-8 FEMA 2505 CoE 431 Einecs 290-331-9 / Genet tincture CoE 431	All species
	<i>Spilanthes acmella</i> L., <i>S.</i> <i>oleracea</i> L.: Absolute / Extract / Oleoresin CAS 90131-24-1 FEMA 3783 / Oil / Tincture	All species
	<i>Stachytarpheta jamaicensis</i> Vahl: Bastard vervain absolute / Bastard vervain extract / Bastard vervain oil / Bastard vervain tincture	All species
	<i>Stellaria media</i> (L.) Vill.: Chick weed extract / Chick weed tincture	All species
	<i>Sterculia urens</i> Roxb.: Karaya gum absolute /	All species

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	Karaya gum extract / Karaya gum tincture	
	<i>Stevia rebaudiana</i> (Bertoni) Hemsl.: Stevia tincture CoE 552	All species
	<i>Styrax benzoin</i> Dryand., <i>S. tonkinensis</i> (Pierre) Craib ex Hartwich: Benzoin gum CAS 9000-72-0 CoE 439 Einecs 232-556-7 /Benzoin absolute CAS 9000-05-9CoE 439 Einecs 232-523-7/ Benzoin tincture CoE 439	All species
	<i>Swertia chirata</i> Buch.-Ham. ex Wall.: Extract CoE 440 / Tincture CoE 440	All species
	<i>Symphytum officinale</i> L.: Comfrey absolute CoE 441 / Comfrey extract CoE 441 / Comfrey oil CoE 441 / Comfrey tincture CoE 441	All species
	<i>Symplocos racemosa</i> Roxb.: Sweetleaf absolute / Sweetleaf extract / Sweetleaf oil / Sweetleaf tincture	All species
	<i>Tabebuia impetiginosa</i> (Mart. ex DC.) Toledo: Absolute / Extract / Oil	All species
	<i>Tagetes erecta</i> L., <i>T. glandulifera</i> Schrank., <i>T. minuta</i> L. e.a.: Tagetes absolute CAS 8016-84-0 FEMA 3040 CoE 443/494 Einecs 294-862-7	All species
	<i>Tamarindus indica</i> (syn. <i>Tamarindus officinalis</i> ): extract	All species
	<i>Tamarix gallica</i> L.: French tamarisk absolute / French tamarisk extract / French tamarisk tincture	All species
	<i>Tanacetum vulgare</i> L.: Tansy absolute CoE 446 / Tansy	All species

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## PART A

**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	oil CAS 8016-87-3 CoE 446 Einecs 284-653-9	
	<i>Taraxacum officinale</i> Wiggers: Dandelion absolute CoE 447	All species
	<i>Tarhomonanthus camphoratus</i> L.: Tarchonanthus absolute / Tarchonanthus extract / Tarchonanthus oil / Tarchonanthus tincture	All species
	<i>Terminalia chebula</i> Retz.: Myrobalan concentrate CoE 448 / Myrobalan distillate CoE 448 / Myrobalan extract CoE 448 / Myrobalan tincture CoE 448	All species
	<i>Teucrium chamaedrys</i> : extract	All species
	<i>Thea sinensis</i> L. = <i>Camellia thea</i> Link. = <i>Camellia sinensis</i> (L.) O. Kuntze: Tea absolute CAS 84650-60-2 CoE 451 Einecs 283-519-7 / Tea distillate CAS 84650-60-2 CoE 451	All species
	<i>Theobroma cacao</i> L.: Cocoa tincture CoE 452	All species
	<i>Theobroma grandiflorum</i> Schum.: Cupuacu absolute / Cupuacu extract / Cupuacu oil / Cupuacu tincture	All species
	<i>Thuja occidentalis</i> L.: Cedar absolute CoE 453 / Cedar leaf oil CAS 8007-20-3 FEMA 2267 CoE 453 Einecs 290-370-1 / Cedar tincture CoE 453	All species
	<i>Thymus capitatus</i> Hoffm. & Link. = <i>Coridothymus</i> <i>capitatus</i> L.: Thymus, Origanum extract CAS 8007-11-2 FEMA 2828 CoE 454 Einecs 290-371-1 /	All species

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PART A

**Feed additives belonging to the group of flavouring and appetising substances  
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	Thymus, Origanum tincture CoE 454	
	<i>Thymus mastichina</i> L.: Spanish marjoram absolute CAS 8016-33-9 EINECS 284-294-8 / Spanish marjoram oleoresin CAS 8016-33-9 EINECS 284-294-8	All species
	<i>Thymus serpyllum</i> L.: Wild thyme absolute CoE 455 / Wild thyme extract CoE 455 / Wild thyme oil CoE 455	All species
	<i>Thymus vulgaris</i> L., <i>T. zygis</i> L.: Thyme absolute CAS 8007-46-3 FEMA 3064 CoE 456 EINECS 284-535-7 / Thyme terpenes CoE 456/457	All species
	<i>Tilia cordata</i> Mill. = <i>T.</i> <i>europaea</i> L., <i>T. glabra</i> Vent = <i>T. americana</i> L.: Linden absolute CoE 458 / Linden flowers extract CoE 458 / Linden tincture CoE 458	All species
	<i>Tinospora cordifolia</i> (Willd.) Hook f. & Thomson: Gulancha absolute / Gulancha tincture	All species
	<i>Trachyspermum ammi</i> (L.) Sprag. et Turr.: Ajowan absolute / Ajowan extract / Ajowan tincture	All species
	<i>Tribulus terrestris</i> L.: Caltrop. Concentrate / Caltrop. Distillate / Caltrop. Extract / Caltrop. Tincture	All species
	<i>Trichosanthes kirilowii</i> Maxim.: Trichosanthes absolute / Trichosanthes extract / Trichosanthes oil / Trichosanthes tincture	All species
	<i>Trifolium pratense</i> L.: Clover extract CoE 459 / Clover tops red extract solid CAS 85085-25-2 FEMA 2326	All species

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	CoE 459 EINECS 285-356-7 / Clover oil CoE 459 / Clover tincture CoE 459	
	<i>Tropaeolum majus</i> L.: Nasturtium absolute CAS 68917-41-9 / Nasturtium extract / Nasturtium tincture	All species
	<i>Tropaeolum minus</i> L.: Dwarf nasturtium absolute / Dwarf nasturtium extract / Dwarf nasturtium tincture	All species
	<i>Tsuga canadensis</i> (L.) Carr.: Oil CAS 8008-80-8 FEMA 3034 CoE 461 EINECS 294-420-3 / Tincture CoE 461	All species
	<i>Turnera aphrodisiaca</i> Ward. = <i>T. diffusa</i> Willd.: Damiana absolute CoE 462 / Damiana extract CoE 462 / Damiana oil CoE 462 / Damiana tincture CoE 462	All species
	<i>Tussilago farfara</i> L.: Coltsfoot oil CoE 463 / Coltsfoot extract CoE 463 / Coltsfoot tincture CoE 463	All species
	<i>Tynanthus panurensis</i> (Bureau) Sandwith: Clavo huasca absolute / Clavo huasca extract / Clavo huasca oil / Clavo huasca tincture	All species
	<i>Uncaria gambir</i> (Hunter) Roxb.: Gambir absolute CoE 465 / Gambir extract CoE 465 / Gambir oil CoE 465 / Gambir tincture CoE 465	All species
	<i>Uncaria tomentosa</i> L. = <i>Ourouparia guianensis</i> Aubl.: Cat's claw concentrate / Cat's claw distillate / Cat's claw tincture	All species
	<i>Urtica dioica</i> L.: Common nettle tincture CoE 468	All species

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**Feed additives belonging to the group of flavouring and appetising substances  
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	<i>Urtica urens</i> L.: Dwarf nettle absolute / Dwarf nettle extract	All species
	<i>Usnea barbata</i> : extract	All species
	<i>Vaccinium macrocarpon</i> Ait.: Spraydried CoE 470 / Absolute CoE 470 / Concentrate CoE 470 / Distillate CoE 470 / Extract CoE 470	All species
	<i>Vaccinium myrtillus</i> L.: Blueberry concentrate CoE 469 / Blueberry distillate CoE 469 / Blueberry extract CoE 469	All species
	<i>Vaccinium uliginosum</i> L.: Bog bilberry concentrate CoE 471 / Bog bilberry distillate CoE 471 / Bog bilberry tincture CoE 471	All species
	<i>Valeriana officinalis</i> L.: Valerian root oil CAS 8008-88-6 FEMA 3100 CoE 473 Eines 308-322-6	All species
	<i>Vanilla planifolia</i> G.Jacks. = <i>V. fragrans</i> Salisb.: Vanilla absolute CAS 8024-06-4 CoE 474 Eines 283-521-8 / Vanilla oleoresin CAS 8024-06-4 FEMA 3106 CoE 474 Eines 283-521-8	All species
	<i>Verbascum thapsiforme</i> Schrad. = <i>V. thapsus</i> L.: Absolute CoE 475 / Extract CoE 475 / Tincture CoE 475	All species
	<i>Verbena officinalis</i> L.: Vervain absolute CoE 476 / Vervain extract CoE 476 / Vervain oil CoE 476 / Vervain tincture CoE 476	All species
	<i>Veronica officinalis</i> L.: Veronica extract CoE 478 /	All species

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## PART A

**Feed additives belonging to the group of flavouring and appetising substances withdrawn for all species and categories of animals**

	Veronica oil CoE 478 / Veronica tincture CoE 478	
	<i>Vetiveria zizanioides</i> (L.) Nash.: Vetiver absolute CoE 479	All species
	<i>Viburnum prunifolium</i> L.: Black snow ball absolute CoE 480 / Black snow ball extract CoE 480	All species
	<i>Vinca minor</i> L.: Periwinkle absolute / Periwinkle extract / Periwinkle tincture	All species
	<i>Viola odorata</i> L.: Violet leaves absolute CAS 8024-08-6 FEMA 3110 CoE 482 EINECS 290-427-0 / Violet concrete CoE 482 / Violet tincture CoE 482	All species
	<i>Viola tricolor</i> L.: Pansy / Heartsease absolute / Pansy / Heartsease extract / Pansy / Heartsease tincture	All species
	<i>Viscum album</i> L.: Mistletoe absolute CoE 484 / Mistletoe extract CoE 484 / Mistletoe tincture CoE 484	All species
	<i>Vitex agnus-castus</i> L.: Lilac chastetree absolute / Lilac chastetree oil	All species
	<i>Vitex negundo</i> L.: Five leaved chaste tree / Five leaved chaste tree extract / Five leaved chaste tree tincture	All species
	<i>Vitis vinifera</i> L.: Grape juice concentrate CoE 485	All species
	<i>Withania somnifera</i> (L.) Dunal. = <i>Physalis somnifera</i> Link: Absolute / Extract / Oil	All species
	<i>Xanthoxylum americanum</i> Mill.: extract	All species



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**Feed additives belonging to the group of flavouring and appetising substances  
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	<i>Yucca brevifolia</i> Engelm. = <i>Y. arborescens</i> Trel.: Absolute / Extract / Oil / Tincture	All species
	<i>Yucca filamentosa</i> L.: Bear grass absolute / Bear grass extract / Bear grass tincture	All species
	<i>Yucca mohavensis</i> Sarg. = <i>Y. schidigera</i> Roezl ex Ortgies: Mojave yucca absolute	All species
	<i>Zanthoxylum acanthopodium</i> DC.: Yellow pricklyash distillate / Yellow pricklyash concentrate / Yellow pricklyash extract / Yellow pricklyash tincture	All species
	<i>Zanthoxylum fraxineum</i> Willd. = <i>Z. americanum</i> L.: Prickly ash extract / Prickly ash oil / Prickly ash tincture	All species
	<i>Zea mays</i> L.: Corn silk FEMA 2335 CoE 488 / Corn silk extract CoE 488 / Corn silk oil CoE 488 / Corn silk tincture CoE 488	All species
	<i>Zizyphus japonica</i> Mart.: Absolute / Extract / Oil / Tincture	All species

PART B

**Feed additives belonging to the group of flavouring and appetising substances  
 withdrawn for certain species or categories of animals**

Identification Number	Additive	Species or category of animals
Flavouring and appetising substances		
1. Natural products and corresponding synthetic products		
	CAS No. 100-53-8 / Phenylmethanethiol / Flavis No. 12.005	All species with the exception of cats and dogs
	CAS No. 108-99-6 / picoline beta (3-methylpyridine) / Flavis No. 14.135	All species with the exception of cats and dogs

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**Feed additives belonging to the group of flavouring and appetising substances withdrawn for certain species or categories of animals**

	CAS No. 109-73-9 / Butylamine / Flavis No. 11.003	All species with the exception of cats and dogs
	CAS No. 110-42-9 / Methyl decanoate / Flavis No. 09.251	All species with the exception of cats and dogs
	CAS No. 1193-79-9 / 2-Acetyl-5-methylfuran / Flavis No. 13.083	All species with the exception of cats and dogs
	CAS No. 122-70-3 / Phenethyl propionate / Flavis No. 09.137	All species with the exception of cats and dogs
	CAS No. 142-83-6 / Hexa-2(trans),4(trans)-dial / Flavis No. 05.057	All species with the exception of cats and dogs
	CAS No. 2363-89-5 / Oct-2-enal / Flavis No. 05.060	All species with the exception of cats and dogs
	CAS No. 23787-80-6 / 2-Acetyl-3-methylpyrazine / Flavis No. 14.082	All species with the exception of cats and dogs
	CAS No. 27538-09-6 / 2-Ethyl-4-hydroxy-5-methyl-3(2H)-furanone / Flavis No. 13.084	All species with the exception of cats and dogs
	CAS No. 30086-02-3 / 3,5-Octadiene-2-one / Flavis No. 07.247	All species with the exception of cats and dogs
	CAS No. 3913-71-1 / Dec-2-enal / Flavis No. 05.076	All species with the exception of cats and dogs
	CAS No. 3913-85-7 / Dec-2-enoic acid / Flavis No. 08.073	All species with the exception of cats and dogs
	CAS No. 4861-58-9 / sec-Pentylthiophene / Flavis No. 15.096	All species with the exception of cats and dogs
	CAS No. 505-57-7 / 2-Hexenal; hex-2-enal / Flavis No. 05.189	All species with the exception of cats and dogs
	CAS No. 534-22-5 / 2-Methylfuran / Flavis No. 13.030	All species with the exception of cats and dogs

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**Feed additives belonging to the group of flavouring and appetising substances  
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	CAS No. 541-31-1 / 3-Methylbutane-1-thiol / Flavis No. 12.171	All species with the exception of cats and dogs
	CAS No. 7367-88-6 / Ethyl dec-2-enoate / Flavis No. 09.283	All species with the exception of cats and dogs
	CAS No. 75853-49-5 / 12-Methyltridecanal / Flavis No. 05.169	All species with the exception of cats and dogs
	CAS No. 76649-16-6 / Ethyl dec-4-enoate / Flavis No. 09.284	All species with the exception of cats and dogs
	CAS No. 766-92-7 / Benzyl methyl sulfide / Flavis No. 12.077	All species with the exception of cats and dogs
	CAS No. 7774-82-5 / Tridec-2-enal / Flavis No. 05.078	All species with the exception of cats and dogs
	CAS No. 95-87-4 / 2,5-Dimethylphenol / Flavis No. 04.019	All species with the exception of cats and dogs
	<i>Arctium majus</i> Bernh. = <i>A. lappa</i> L.: Great burdock extract CoE 57	All species with the exception of Cats and dogs
	<i>Echinacea angustifolia</i> DC.: Blacksamson echinacea extract	All species with the exception of Cats and dogs
	<i>Echinacea purpurea</i> (L.) Moench.: Echinacea extract	All species with the exception of Cats and dogs
	<i>Garcinia cambogia</i> Desrouss.: Garcinia extract	All species with the exception of Cats and dogs
	<i>Helianthus annuus</i> L.: Sunflower extract	All species with the exception of Cats and dogs
	<i>Hyssopus officinalis</i> L. = <i>H. decumbens</i> Jord. & Fourn.: Hyssop. Oil CAS 8006-83-5 FEMA 2591 CoE 235 EINECS 283-266-3	All species with the exception of cats and dogs
	<i>Levisticum officinale</i> Koch: Lovage root oil CAS	All species with the exception of cats and dogs

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## PART B

**Feed additives belonging to the group of flavouring and appetising substances withdrawn for certain species or categories of animals**

	8016-31-7 FEMA 2651 CoE 261 EINECS 284-292-7	
	<i>Panax ginseng</i> C. A. Mey.: Ginseng extract CoE 318	All species with the exception of Cat and dogs
	<i>Plantago ovata</i> L.: Fleawort absolute	All species with exception of cats and dogs
	<i>Sus scrofa</i> (extract from defatted porcine pancreatic glands)	All species with the exception of Cats and dogs and other carnivorous and omnivorous companion animals such as ferrets
<b>2. Artificial substances</b>		
E 954 (i)	Saccharin (C <sub>7</sub> H <sub>5</sub> NO <sub>3</sub> S)	Piglets
E 954 (ii)	Calcium saccharin(C <sub>7</sub> H <sub>3</sub> NCaO <sub>3</sub> S)	Piglets

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- (1) OJ L 268, 18.10.2003, p. 29.
- (2) OJ L 270, 14.12.1970, p. 1.

**Changes to legislation:**

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