



2024/1989

24.7.2024

COMMISSION IMPLEMENTING REGULATION (EU) 2024/1989

of 22 July 2024

concerning the authorisation of undec-10-enal, terpineol acetate, *d,l*-borneol, *l*-carvone, *d*-camphor, *d,l*-isobornyl acetate, 3-propylidenephthalide, phenylacetic acid, methyl salicylate, thymol, carvacrol, benzothiazole, terpinolene, *d,l*-isoborneol, *trans*-menthone, *d,l*-bornyl acetate, 3-butyldenephthalide, phenylacetaldehyde, phenethyl acetate, phenethyl phenylacetate, methyl phenylacetate, ethyl phenylacetate, isobutyl phenylacetate, 3-methylbutyl phenylacetate, 2-methoxyphenol, 2-methoxy-4-methylphenol, 4-ethylguaiacol, 2-methoxy-4-vinylphenol, 4-ethylphenol, 2-methylphenol, 4-methylphenol, 2,6-dimethoxyphenol, phenol, 2,6-dimethylphenol, 2-isopropylphenol, benzene-1,3-diol, alpha-phellandrene, alpha-terpinene, gamma-terpinene and *l*-limonene as feed additives for all animal species and amending Implementing Regulation (EU) 2018/245 as regards the terms of authorisation of *d,l*-isomenthone as a feed additive for all animal species

(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 ⁽¹⁾, and in particular Articles 9(2) and 13(2) 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 and modifying such authorisation. Article 10(2) of that Regulation provides for the re-evaluation of additives authorised pursuant to Council Directive 70/524/EEC ⁽²⁾.
- (2) The substances undec-10-enal, terpineol acetate, *d,l*-borneol, *l*-carvone, *d*-camphor, *d,l*-isobornyl acetate, 3-propylidenephthalide, phenylacetic acid, methyl salicylate, thymol, carvacrol, benzothiazole, terpinolene, *d,l*-isoborneol, *trans*-menthone, *d,l*-bornyl acetate, 3-butyldenephthalide, phenylacetaldehyde, phenethyl acetate, phenethyl phenylacetate, methyl phenylacetate, ethyl phenylacetate, isobutyl phenylacetate, 3-methylbutyl phenylacetate, 2-methoxyphenol, 2-methoxy-4-methylphenol, 4-ethylguaiacol, 2-methoxy-4-vinylphenol, 4-ethylphenol, 2-methylphenol, 4-methylphenol, 2,6-dimethoxyphenol, phenol, 2,6-dimethylphenol, 2-isopropylphenol, benzene-1,3-diol, alpha-phellandrene, alpha-terpinene, gamma-terpinene and *l*-limonene were authorised without a time limit in accordance with Directive 70/524/EEC as feed additives for all animal species. Those substances were subsequently entered in the Register of Feed Additives as existing products, in accordance with Article 10(1), point (b), of Regulation (EC) No 1831/2003.
- (3) In accordance with Article 10(2) of Regulation (EC) No 1831/2003 in conjunction with Article 7 thereof, nine applications were submitted for the authorisation of undec-10-enal, terpineol acetate, *d,l*-borneol, *l*-carvone, *d*-camphor, *d,l*-isobornyl acetate, 3-propylidenephthalide, phenylacetic acid, methyl salicylate, thymol, carvacrol, benzothiazole, terpinolene, *d,l*-isoborneol, *trans*-menthone, *d,l*-bornyl acetate, 3-butyldenephthalide, phenylacetaldehyde, phenethyl acetate, phenethyl phenylacetate, methyl phenylacetate, ethyl phenylacetate, isobutyl phenylacetate, 3-methylbutyl phenylacetate, 2-methoxyphenol, 2-methoxy-4-methylphenol, 4-ethylguaiacol, 2-methoxy-4-vinylphenol, 4-ethylphenol, 2-methylphenol, 4-methylphenol, 2,6-dimethoxyphenol, phenol, 2,6-dimethylphenol, 2-isopropylphenol, benzene-1,3-diol, alpha-phellandrene, alpha-terpinene, gamma-terpinene and *l*-limonene ('the substances concerned') as feed additives for all animal species. The applicant requested the additives to be classified in the additive category 'sensory additives' and in the functional group 'flavouring compounds'. The applications were accompanied by the particulars and documents required under Article 7(3) of Regulation (EC) No 1831/2003.

⁽¹⁾ OJ L 268, 18.10.2003, p. 29, ELI: <http://data.europa.eu/eli/reg/2003/1831/oj>.

⁽²⁾ Council Directive 70/524/EEC of 23 November 1970 concerning additives in feedingstuffs (OJ L 270, 14.12.1970, p. 1, ELI: <http://data.europa.eu/eli/dir/1970/524/oj>).

- (4) The applicant requested the substances concerned to be authorised for use also in water for drinking. However, Regulation (EC) No 1831/2003 does not allow the authorisation of 'flavouring compounds' for use in water for drinking. Therefore, the applicant withdrew the application for water for drinking for all the substances concerned.
- (5) The use of *d,l*-isomenthone as a feed additive was authorised for all animal species by Commission Implementing Regulation (EU) 2018/245 ⁽³⁾.
- (6) In accordance with Article 13(1) of Regulation (EC) No 1831/2003, the Commission requested the European Food Safety Authority ('the Authority') to issue an opinion on whether the authorisation of *d,l*-isomenthone as a feed additive would still meet the conditions laid down in Article 5 of Regulation (EC) No 1831/2003, considering a modification of the terms of that authorisation. That modification consists in an increase of the maximum recommended level of *d,l*-isomenthone to 5 mg/kg for all animal species. The request was accompanied by the relevant supporting data.
- (7) The Authority concluded in its opinions of 1 February 2012 ⁽⁴⁾, 6 March 2012 ⁽⁵⁾, 7 March 2012 ⁽⁶⁾, 13 June 2012 ⁽⁷⁾, 13 November 2012 ⁽⁸⁾, 10 March 2015 ⁽⁹⁾, 8 March 2016 ⁽¹⁰⁾, 20 April 2016 ⁽¹¹⁾, 12 July 2016 ⁽¹²⁾ and 26 September 2023 ⁽¹³⁾ that, under the proposed conditions of use, the substances concerned are safe for all animal species, consumers and the environment. It stated that for 2-methoxyphenol, thymol, 2-methoxy-4-methylphenol, 4-ethylguaiacol, 2-methoxy-4-vinylphenol, 4-ethylphenol, 2-methylphenol, 4-methylphenol, carvacrol, 2,6-dimethoxyphenol, phenol, 2,6-dimethylphenol, 2-isopropylphenol and benzene-1,3-diol, no new data on the safety for the user was provided but that potential hazards for skin and eye contact and respiratory exposure of various severity are recognised for these substances. For 3-butylidenephthalide and 3-propylidenephthalide, the material safety data sheets provided by the suppliers identify those substances as irritant to skin, eye and the respiratory tract and harmful if swallowed. For phenylacetaldehyde, phenylacetic acid, phenethyl acetate, phenethyl phenylacetate, methyl phenylacetate, ethyl phenylacetate, isobutyl phenylacetate, methyl salicylate and 3-methylbutyl phenylacetate, the Authority considered it prudent to treat all those compounds as irritants to skin, eyes and respiratory tract, skin sensitisers and harmful if swallowed. For terpineol acetate, it considered it prudent to treat it as irritant to skin, eyes and respiratory tract and as skin sensitiser. Terpinolene, alpha-phellandrene, alpha-terpinene, gamma-terpinene and *l*-limonene should be considered irritant to skin, eyes and respiratory tract and as skin sensitisers. The Authority stated that for benzothiazole, *d,l*-borneol, *d,l*-isoborneol, *l*-carvone, *trans*-menthone, *d*-camphor, *d,l*-bornyl acetate, undec-10-enal and *d,l*-isobornyl acetate, hazards for skin and eye contact and respiratory exposure are recognised and that they are classified as irritating to the respiratory system. The Authority finally concluded that all the substances concerned are recognised to flavour food and their function in feed would be essentially the same as that in food and therefore that no further demonstration of efficacy is considered necessary. The Authority also verified the report on the methods of analysis of the feed additives in feed submitted by the Reference Laboratory set up by Regulation (EC) No 1831/2003. Furthermore, the Authority concluded in the opinion of 26 September 2023 that for *d,l*-isomenthone, the maximum recommended level of 5 mg/kg is safe for all animal species, consumers and the environment.

⁽³⁾ Commission Implementing Regulation (EU) 2018/245 of 15 February 2018 concerning the authorisation of menthol, *d*-carvone, menthyl acetate, *d,l*-isomenthone, 3-methyl-2-(pent-2(cis)-enyl)cyclopent-2-en-1-one, 3,5,5-trimethylcyclohex-2-en-1-one, *d*-fenchone, fenchyl alcohol, carvyl acetate, dihydrocarvyl acetate and fenchyl acetate as feed additives for all animal species (OJ L 53, 23.2.2018, p. 87, ELI: http://data.europa.eu/eli/reg_impl/2018/245/oj).

⁽⁴⁾ EFSA Journal 2012;10(2):2573.

⁽⁵⁾ EFSA Journal 2012;10(3):2622.

⁽⁶⁾ EFSA Journal 2012;10(3):2625.

⁽⁷⁾ EFSA Journal 2012;10(7):2785.

⁽⁸⁾ EFSA Journal 2012;10(11):2966.

⁽⁹⁾ EFSA Journal 2015;13(3):4053.

⁽¹⁰⁾ EFSA Journal 2016;14(6):4441.

⁽¹¹⁾ EFSA Journal 2016;14(6):4475.

⁽¹²⁾ EFSA Journal 2016;14(8):4559.

⁽¹³⁾ EFSA Journal 2023;21(10):8340.

- (8) In view of the above, the Commission considers that the substances concerned satisfy the conditions for authorisation, as provided for in Article 5 of Regulation (EC) No 1831/2003. In addition, the Commission considers that the authorisation of *d,l*-isomenthone still meets the conditions provided for in Article 5 of Regulation (EC) No 1831/2003, when modifying the terms thereof as regards the increase of the maximum recommended level to 5 mg/kg for all animal species. Accordingly, the use of the substances concerned should be authorised and the terms of authorisation for *d,l*-isomenthone should be modified. The Commission considers that appropriate protective measures should be taken to prevent adverse effects on the health of the users of the substances concerned.
- (9) The Commission considers that for *l*-carvone, methyl salicylate, thymol and carvacrol, safety reasons require the establishment of maximum contents and that those additives cannot be used in combination with other additives containing such substances. For undec-10-enal, terpineol acetate, *d,l*-borneol, *d*-camphor, *d,l*-isobornyl acetate, 3-propylidenephthalide, phenylacetic acid, benzothiazole, terpinolene, *d,l*-isoborneol, *trans*-menthone, *d,l*-bornyl acetate, 3-butylidenephthalide, phenylacetaldehyde, phenethyl acetate, phenethyl phenylacetate, methyl phenylacetate, ethyl phenylacetate, isobutyl phenylacetate, 3-methylbutyl phenylacetate, 2-methoxyphenol, 2-methoxy-4-methylphenol, 4-ethylguaiaicol, 2-methoxy-4-vinylphenol, 4-ethylphenol, 2-methylphenol, 4-methylphenol, 2,6-dimethoxyphenol, phenol, 2,6-dimethylphenol, 2-isopropylphenol, benzene-1,3-diol, alpha-phellandrene, alpha-terpinene, gamma-terpinene and *l*-limonene safety reasons do not require the setting of maximum contents. However, in order to allow better control, a recommended maximum content should be indicated on the label of those additives. Where the recommended maximum content is exceeded, certain information should be indicated on the label of the premixtures concerned.
- (10) Implementing Regulation (EU) 2018/245 should therefore be amended accordingly.
- (11) Since safety reasons do not require the immediate application of the modifications to the conditions of authorisation of the substances concerned, it is appropriate to provide for a transitional period for the interested parties to prepare themselves to meet the new requirements resulting from the authorisation. In addition, since safety reasons do not require the immediate application of the modification to the terms of authorisation for *d,l*-isomenthone, it is appropriate to provide for a transitional period for the interested parties to prepare themselves to meet the requirements resulting from that modification.
- (12) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Plants, Animals, Food and Feed,

HAS ADOPTED THIS REGULATION:

Article 1

Authorisation

The substances specified in the Annex, belonging to the additive category 'sensory additives' and to the functional group 'flavouring compounds', are authorised as additives in animal nutrition, subject to the conditions laid down in that Annex.

Article 2

Amendment to Implementing Regulation (EU) 2018/245

In the entry for *d,l*-isomenthone in the Annex to Implementing Regulation (EU) 2018/245, points 3 to 5 of the column 'Other provisions' are replaced by the following:

- '3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance of complete feedingstuff with a moisture content of 12 %: 5 mg/kg for all animal species'.

- '4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level suggested on the label of the premixture would result in exceeding the level referred to in point 3.'
- '5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated in the labelling of feed materials and compound feedingstuffs where the content of the active substance in the complete feedingstuff with a moisture content of 12 % exceeds 5 mg/kg for all animal species.'

Article 3

Transitional measures

1. The feed additives undec-10-enal, terpineol acetate, *d,l*-borneol, *l*-carvone, *d*-camphor, *d,l*-isobornyl acetate, 3-propylidenephthalide, phenylacetic acid, methyl salicylate, thymol, carvacrol, benzothiazole, terpinolene, *d,l*-isoborneol, *trans*-menthone, *d,l*-bornyl acetate, 3-butylidenephthalide, phenylacetaldehyde, phenethyl acetate, phenethyl phenylacetate, methyl phenylacetate, ethyl phenylacetate, isobutyl phenylacetate, 3-methylbutyl phenylacetate, 2-methoxyphenol, 2-methoxy-4-methylphenol, 4-ethylguaiaicol, 2-methoxy-4-vinylphenol, 4-ethylphenol, 2-methylphenol, 4-methylphenol, 2,6-dimethoxyphenol, phenol, 2,6-dimethylphenol, 2-isopropylphenol, benzene-1,3-diol, alpha-phellandrene, alpha-terpinene, gamma-terpinene and *l*-limonene, as authorised pursuant to Directive 70/524/EEC, and the feed additive *d,l*-isomenthone (identification number: 2b07078) authorised by Implementing Regulation (EU) 2018/245, and premixtures containing these feed additives, which are produced and labelled before 13 February 2025 in accordance with the rules applicable before 13 August 2024 may continue to be placed on the market and used until the stocks concerned are exhausted.
2. Compound feed and feed materials containing the feed additives referred to in paragraph 1, which are produced and labelled before 13 August 2025 in accordance with the rules applicable before 13 August 2024 may continue to be placed on the market and used until the stocks concerned are exhausted if they are intended for food-producing animals.
3. Compound feed and feed materials containing the feed additives referred to in paragraph 1, which are produced and labelled before 13 August 2026 in accordance with the rules applicable before 13 August 2024 may continue to be placed on the market and used until the stocks concerned are exhausted if they are intended for non-food producing animals.

Article 4

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, 22 July 2024.

For the Commission
The President
Ursula VON DER LEYEN

ANNEX

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b05035	Undec-10-enal	<i>Additive composition</i> Undec-10-enal <i>Characterisation of active substance</i> Undec-10-enal Produced by chemical synthesis Purity: min. 90 % Chemical formula: C ₁₁ H ₂₀ O CAS number: 112-45-8 FLAVIS: 05.035	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
		<i>Analytical method (1)</i> For the identification of undec-10-enal in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.						

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such proce- dures and measures, the ad- ditive and premixtures shall be used with personal breathing, eye and skin pro- tective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b09830	Terpineol acetate	Additive composition Terpineol acetate Characterisation of active substance Terpineol acetate Produced by chemical synthesis Purity: min. 97 % Chemical formula: C₁₂H₂₀O₂ CAS number: 8007-35-0 FLAVIS: 09.830 Analytical method ⁽¹⁾ For the identification of terpineol acetate in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 10 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3. 13.8.2034	

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b02016	<i>d,l</i> -Borneol	<i>Additive composition</i> <i>d,l</i> -Borneol <i>Characterisation of active substance</i> <i>d,l</i> -Borneol Produced by chemical synthesis Purity: min. 97 % (min. assay value may include isoborneol, other isomers of borneol, trace amounts of fenchyl alcohol and other C ₁₀ H ₁₈ O compounds) Chemical formula: C ₁₀ H ₁₈ O CAS number: 507-70-0 FLAVIS: 02.016	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 15 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
	<i>Analytical method</i> ⁽¹⁾ For the identification of <i>d,l</i> -borneol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.							

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b07147	<i>l</i> -Carvone	<i>Additive composition</i> <i>l</i> -Carvone <i>Characterisation of active substance</i> <i>l</i> -Carvone Produced by chemical synthesis Purity: min. 97 % Chemical formula: C ₁₀ H ₁₄ O CAS number: 6485-40-1 FLAVIS: 07.147	All animal species	—	—	10	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. The additive shall not be used with other sources of <i>l</i>-carvone. 4. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	13.8.2034
	<i>Analytical method</i> ⁽¹⁾ For the identification of <i>l</i> -carvone in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.							

⁽¹⁾ Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b07215	d-Camphor	<i>Additive composition</i> d-Camphor <i>Characterisation of active substance</i> d-Camphor (also known as (1R)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one) Produced by chemical synthesis Purity: min. 96 % Chemical formula: C ₁₀ H ₁₆ O CAS number: 464-49-3 FLAVIS: 07.215	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
<i>Analytical method</i> ⁽¹⁾ For the identification of d-camphor in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.								

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b09218	<i>d,l</i> -Isobornyl acetate	<i>Additive composition</i> d,l-Isobornyl acetate <i>Characterisation of active substance</i> d,l-Isobornyl acetate Produced by chemical synthesis Purity: min. 97 % (min. assay value may include small amounts of bornyl acetate) Chemical formula: C ₁₂ H ₂₀ O ₂ CAS number: 125-12-2 FLAVIS: 09.218	All animal species	—	—	—	- The additive shall be incorporated into the feed in the form of a premixture. - In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. - On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' - The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
	<i>Analytical method</i> ⁽¹⁾ For the identification of <i>d,l</i> -isobornyl acetate in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.							

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b10005	3-Propylidenephthalide	<i>Additive composition</i> 3-Propylidenephthalide <i>Characterisation of active substance</i> 3-Propylidenephthalide Produced by chemical synthesis Purity: min. 96 % Chemical formula: C₁₁H₁₀O₂ CAS number: 17 369-59-4 FLAVIS: 10.005 <i>Analytical method ⁽¹⁾</i> For the identification of 3-propylidenephthalide in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b08038	Phenylacetic acid	Additive composition Phenylacetic acid Characterisation of active substance Phenylacetic acid Produced by chemical synthesis Purity: min. 99 % Chemical formula: C₈H₈O₂ CAS number: 103-82-2 FLAVIS: 08.038 Analytical method ⁽¹⁾ For the identification of phenylacetic acid in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 25 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b09749	Methyl salicylate	Additive composition Methyl salicylate Characterisation of active substance Methyl salicylate Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₈H₈O₃ CAS number: 119-36-8 FLAVIS: 09.749 Analytical method ⁽¹⁾ For the identification of methyl salicylate in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	50	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. The additive shall not be used with other sources of methyl salicylate. 4. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	13.8.2034

⁽¹⁾ Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04006	Thymol	Additive composition Thymol Characterisation of active substance Thymol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₁₀H₁₄O CAS number: 89-83-8 FLAVIS: 04.006 Analytical method ⁽¹⁾ For the identification of thymol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	125	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. The additive shall not be used with other sources of thymol. 4. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	13.8.2034
⁽¹⁾ Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en .								

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04031	Carvacrol	<i>Additive composition</i> Carvacrol <i>Characterisation of active substance</i> Carvacrol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₁₀H₁₄O CAS number: 499-75-2 FLAVIS: 04.031 <i>Analytical method</i> ⁽¹⁾ For the identification of carvacrol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	125	- The additive shall be incorporated into the feed in the form of a premixture. - In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. - The additive shall not be used with other sources of carvacrol. - For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	13.8.2034

⁽¹⁾ Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b15016	Benzothiazole	<i>Additive composition</i> Benzothiazole <i>Characterisation of active substance</i> Benzothiazole Produced by chemical synthesis Purity: min. 96 % Chemical formula: C ₇ H ₅ NS CAS number: 95-16-9 FLAVIS: 15.016	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 0,5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
		<i>Analytical method</i> ⁽¹⁾ For the identification of benzothiazole in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.						

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b01005	Terpinolene	Additive composition Terpinolene Characterisation of active substance Terpinolene Produced by chemical synthesis or by fractional or steam distillation of essential oils. Purity: min. 95 % Chemical formula: C₁₀H₁₆ CAS number: 586-62-9 FLAVIS: 01.005 Analytical method ⁽¹⁾ For the identification of terpinolene in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: ‘Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 14,5 mg.’ 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b02059	<i>d,l</i> -Isoborneol	<i>Additive composition</i> <i>d,l</i> -Isoborneol <i>Characterisation of active substance</i> <i>d,l</i> -Isoborneol Produced by chemical synthesis Purity: min. 92 % (min. assay value is 92 % and secondary components 3,5 % borneol) Chemical formula: C ₁₀ H ₁₈ O CAS number: 124-76-5 FLAVIS: 02.059	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
	<i>Analytical method</i> ⁽¹⁾ For the identification of <i>d,l</i> -isoborneol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.							

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b07176	trans-Menthone	Additive composition trans-Menthone Characterisation of active substance trans-Menthone Produced by chemical synthesis Purity: min. 96 % (sum of two isomers) Chemical formula: C₁₀H₁₈O CAS number: 89-80-5 FLAVIS: 07.176 Analytical method ⁽¹⁾ For the identification of trans-menthone in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

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Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b09017	d,l-Bornyl acetate	<i>Additive composition</i> d,l-Bornyl acetate <i>Characterisation of active substance</i> d,l-Bornyl acetate Produced by chemical synthesis Purity: min. 98 % (min. assay value is 98 % and may include isobornyl acetate and other bornyl acetate isomers') Chemical formula: C ₁₂ H ₂₀ O ₂ CAS number: 76-49-3 FLAVIS: 09.017	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	1 3.8.2034
	<i>Analytical method</i> ⁽¹⁾ For the identification of d,l-bornyl acetate in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.							

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational pro- cedures and organisa- tional measures to address the potential risks result- ing from their use. Where those risks cannot be eliminated by such proce- dures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b10024	3-Butylidenephthalide	<i>Additive composition</i> 3-Butylidenephthalide <i>Characterisation of active substance</i> 3-Butylidenephthalide Produced by chemical synthesis Purity: min. 99 % Chemical formula: C ₁₂ H ₁₂ O ₂ CAS number: 551-08-6 FLAVIS: 10.024	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
	<i>Analytical method</i> ⁽¹⁾ For the identification of 3-butylidenephthalide in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.							

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b05030	Phenylacetaldehyde	<i>Additive composition</i> Phenylacetaldehyde <i>Characterisation of active substance</i> Phenyl acetaldehyde Produced by chemical synthesis Purity: min. 95 % Chemical formula: C ₈ H ₈ O CAS number: 122-78-1 FLAVIS: 05.030	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
		<i>Analytical method</i> ⁽¹⁾ For the identification of phenylacetaldehyde in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.						

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

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Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b09031	Phenethyl acetate	Additive composition Phenethyl acetate Characterisation of active substance Phenethyl acetate Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₁₀H₁₂O₂ CAS number: 103-45-7 FLAVIS: 09.031 Analytical method ⁽¹⁾ For the identification of phenethyl acetate in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b09707	Phenethyl phenylacetate	Additive composition Phenethyl phenylacetate Characterisation of active substance Phenethyl phenylacetate Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₁₆H₁₆O₂ CAS number: 102-20-5 FLAVIS: 09.707 Analytical method ⁽¹⁾ For the identification of phenethyl phenylacetate in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b09783	Methyl phenylacetate	Additive composition Methyl phenylacetate Characterisation of active substance Methyl phenylacetate Produced by chemical synthesis Purity: min. 97 % Chemical formula: C₉H₁₀O₂ CAS number: 101-41-7 FLAVIS: 09.783 Analytical method ⁽¹⁾ For the identification of methyl phenylacetate in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 10 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3. 13.8.2034	

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b09784	Ethyl phenylacetate	Additive composition Ethyl phenylacetate Characterisation of active substance Ethyl phenylacetate Produced by chemical synthesis Purity: min. 97 % Chemical formula: C₁₀H₁₂O₂ CAS number: 101-97-3 FLAVIS: 09.784 Analytical method ⁽¹⁾ For the identification of ethyl phenylacetate in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 10 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3. <td>13.8.2034</td>	13.8.2034

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

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Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b09788	Isobutyl phenylacetate	<i>Additive composition</i> Isobutyl phenylacetate <i>Characterisation of active substance</i> Isobutyl phenylacetate Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₁₂ H ₁₆ O ₂ CAS number: 102-13-6 FLAVIS: 09.788	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 10 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
		<i>Analytical method</i> ⁽¹⁾ For the identification of isobutyl phenylacetate in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.						

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b09789	3-Methylbutyl phenylacetate	<i>Additive composition</i> 3-Methylbutyl phenylacetate <i>Characterisation of active substance</i> 3-Methylbutyl phenylacetate Produced by chemical synthesis Purity: min. 97 % (sum of n-amyl and isoamyl esters) Chemical formula: C₁₃H₁₈O₂ CAS number: 102-19-2 FLAVIS: 09.789 <i>Analytical method</i> ⁽¹⁾ For the identification of 3-methylbutyl phenylacetate in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 25 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04005	2-Methoxyphenol	<i>Additive composition</i> 2-Methoxyphenol <i>Characterisation of active substance</i> 2-Methoxyphenol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₇ H ₈ O ₂ CAS number: 90-05-1 FLAVIS: 04.005	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	1 3.8.2034
		<i>Analytical method</i> ⁽¹⁾ For the identification of 2-methoxyphenol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.						

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04007	2-Methoxy-4-methylphenol	<i>Additive composition</i> 2-Methoxy-4-methylphenol <i>Characterisation of active substance</i> 2-Methoxy-4-methylphenol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₈ H ₁₀ O ₂ CAS number: 93-51-6 FLAVIS: 04.007	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
		<i>Analytical method</i> ⁽¹⁾ For the identification of 2-methoxy-4-methylphenol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.						

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04008	4-Ethylguaiaicol	<i>Additive composition</i> 4-Ethylguaiaicol <i>Characterisation of active substance</i> 4-Ethylguaiaicol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₉ H₁₂ O₂ CAS number: 2785-89-9 FLAVIS: 04.008 <i>Analytical method</i> ⁽¹⁾ For the identification of 4-ethylguaiaicol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: ‘Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.’ 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04009	2-Methoxy-4-vinylphenol	<i>Additive composition</i> 2-Methoxy-4-vinylphenol <i>Characterisation of active substance</i> 2-Methoxy-4-vinylphenol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₉ H ₁₀ O ₂ CAS number: 7786-61-0 FLAVIS: 04.009	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: ‘Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.’ 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
		<i>Analytical method</i> ⁽¹⁾ For the identification of 2-methoxy-4-vinylphenol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.						

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04022	4-Ethylphenol	<i>Additive composition</i> 4-Ethylphenol <i>Characterisation of active substance</i> 4-Ethylphenol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₈ H ₁₀ O CAS number: 123-07-9 FLAVIS: 04.022	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
		<i>Analytical method</i> ⁽¹⁾ For the identification of 4-ethylphenol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.						

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04027	2-Methylphenol	Additive composition 2-Methylphenol Characterisation of active substance 2-Methylphenol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₇H₈ O CAS number: 95-48-7 FLAVIS: 04.027 Analytical method ⁽¹⁾ For the identification of 2-methylphenol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04028	4-Methylphenol	<i>Additive composition</i> 4-Methylphenol <i>Characterisation of active substance</i> 4-Methylphenol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₇H₈ O CAS number: 106-44-5 FLAVIS: 04.028 <i>Analytical method</i> ⁽¹⁾ For the identification of 4-methylphenol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04036	2,6-Dimethoxyphenol	<i>Additive composition</i> 2,6-Dimethoxyphenol <i>Characterisation of active substance</i> 2,6-Dimethoxyphenol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₈ H ₁₀ O ₃ CAS number: 91-10-1 FLAVIS: 04.036	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: ‘Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.’ 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
		<i>Analytical method</i> ⁽¹⁾ For the identification of 2,6-dimethoxyphenol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.						

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

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Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04041	Phenol	Additive composition Phenol Characterisation of active substance Phenol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₆H₆O CAS number: 108-95-2 FLAVIS: 04.041 Analytical method ⁽¹⁾ For the identification of phenol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04042	2,6-Dimethylphenol	<i>Additive composition</i> 2,6-Dimethylphenol <i>Characterisation of active substance</i> 2,6-Dimethylphenol Produced by chemical synthesis Purity: min. 99 % Chemical formula: C ₈ H ₁₀ O CAS number: 576-26-1 FLAVIS: 04.042	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
		<i>Analytical method</i> ⁽¹⁾ For the identification of 2,6-dimethylphenol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.						

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04044	2-Isopropylphenol	Additive composition 2-Isopropylphenol Characterisation of active substance 2-Isopropylphenol Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₉H₁₂O CAS number: 88-69-7 FLAVIS: 04.044 Analytical method ⁽¹⁾ For the identification of 2-isopropylphenol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3. 13.8.2034	

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b04047	Benzene-1,3-diol	Additive composition Benzene-1,3-diol Characterisation of active substance Benzene-1,3-diol (also known as resorcinol) Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₆H₆O₂ CAS number: 108-46-3 FLAVIS: 04.047 Analytical method ⁽¹⁾ For the identification of benzene-1,3-diol in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b01006	alpha-Phellandrene	Additive composition alpha-Phellandrene Characterisation of active substance alpha-Phellandrene Produced by chemical synthesis or by fractional or steam distillation of essential oils. Purity: min. 95 % Chemical formula: C₁₀H₁₆ CAS number: 99-83-2 FLAVIS: 01.006 Analytical method ⁽¹⁾ For the identification of alpha-phellandrene in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b01019	alpha-Terpinene	<i>Additive composition</i> alpha-Terpinene <i>Characterisation of active substance</i> alpha-Terpinene Produced by chemical synthesis or by fractional or steam distillation of essential oils. Purity: min. 89 % Chemical formula: C₁₀H₁₆ CAS number: 99-86-5 FLAVIS: 01.019 <i>Analytical method</i> (1) For the identification of alpha-terpinene in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b01020	gamma-Terpinene	<i>Additive composition</i> gamma-Terpinene <i>Characterisation of active substance</i> gamma-Terpinene Produced by chemical synthesis or by fractional or steam distillation of essential oils. Purity: min. 95 % Chemical formula: C ₁₀ H ₁₆ CAS number: 99-85-4 FLAVIS: 01.020	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
	<i>Analytical method</i> ⁽¹⁾ For the identification of gamma-terpinene in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.							

Identifica- tion number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such pro- cedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds								
2b01046	l-Limonene	<i>Additive composition</i> l-Limonene <i>Characterisation of active substance</i> l-Limonene Produced by chemical synthesis or by fractional or steam distillation of essential oils. Purity: min. 95 % Chemical formula: C ₁₀ H ₁₆ CAS number: 5989-54-8 FLAVIS: 01.046	All animal species	—	—	—	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: 'Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12 %: 5 mg.' 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture where the use level on the label of the premixture would result in exceeding the level referred to in point 3.	13.8.2034
	<i>Analytical method (*)</i> For the identification of l-Limonene in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.							

Identification number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12 %			
							5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	

(¹) Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.