

COMMISSION IMPLEMENTING REGULATION (EU) 2023/1417

of 5 July 2023

concerning the authorisation of butyric acid, ethyl butyrate, ethyl isobutyrate, ethyl isovalerate, methyl isovalerate, 2-methyl-2-pentenoic acid, 6-methylhept-5-en-2-one, undecan-2-one, octan-2-one, nonan-2-one, octan-3-one, tridecan-2-one, 5-methylhept-2-en-4-one, dodecano-1,5-lactone, tetradecano-1,5-lactone, 5-methylfurfural, 4-phenylbut-3-en-2-one, p-anisyl alcohol, 4-methoxybenzaldehyde, piperonal, vanillin, p-anisyl acetate, benzyl benzoate, isobutyl salicylate, isopentyl salicylate, benzyl salicylate and diphenyl ether as feed additives 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 Article 9(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 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 butyric acid, ethyl butyrate, ethyl isobutyrate, ethyl isovalerate, methyl isovalerate, 2-methyl-2-pentenoic acid, 6-methylhept-5-en-2-one, undecan-2-one, octan-2-one, nonan-2-one, octan-3-one, tridecan-2-one, 5-methylhept-2-en-4-one, dodecano-1,5-lactone, tetradecano-1,5-lactone, 5-methylfurfural, 4-phenylbut-3-en-2-one, p-anisyl alcohol, 4-methoxybenzaldehyde, piperonal, vanillin, p-anisyl acetate, benzyl benzoate, isobutyl salicylate, isopentyl salicylate, benzyl salicylate and diphenyl ether 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 belonging to the functional group of flavouring compounds, 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, several applications were submitted for the authorisation of the above-mentioned substances 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.
- (4) The applicant requested the additives 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.

⁽¹⁾ OJ L 268, 18.10.2003, p. 29.⁽²⁾ Council Directive 70/524/EEC of 23 November 1970 concerning additives in feedingstuffs (OJ L 270, 14.12.1970, p. 1).

- (5) The European Food Safety Authority ('the Authority') concluded in its opinions of 25 April 2012 ⁽³⁾, 13 June 2012 ⁽⁴⁾, 26 October 2012 ⁽⁵⁾, 12 March 2013 ⁽⁶⁾, 20 October 2015 ⁽⁷⁾, 26 January 2016 ⁽⁸⁾, 25 May 2016 ⁽⁹⁾, 10 January 2020 ⁽¹⁰⁾, 28 January 2020 ⁽¹¹⁾ and 7 January 2023 ⁽¹²⁾ that, under the proposed conditions of use, the substances concerned are safe for all animal species, consumers and the environment.
- (6) The Authority also indicated that the safety data sheets required in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council ⁽¹³⁾ demonstrate that for butyric acid, ethyl butyrate, ethyl isobutyrate, ethyl isovalerate, methyl isovalerate and 2-methyl-2-pentenoic acid, 6-methylhept-5-en-2-one, undecan-2-one, octan-2-one, nonan-2-one, octan-3-one, tridecan-2-one, for dodecano-1,5-lactone, tetradecano-1,5-lactone, p-anisyl alcohol, 4-methoxybenzaldehyde, piperonal, vanillin, p-anisyl acetate, benzyl benzoate, isobutyl salicylate, isopentyl salicylate, benzyl salicylate and diphenyl ether some hazards are identified for skin and eye contact and respiratory exposure. As regards 5-methylhept-2-en-4-one, 5-methylfurfural and 4-phenylbut-3-en-2-one, the Authority concluded that due to the lack of new evidence on the effects of those additives on the respiratory system, skin and eyes it is not in a position to conclude on the safety for the use of those three substances.
- (7) 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. Therefore, no further demonstration of efficacy is considered necessary. The Authority considered that there was no need for specific requirements of post-market monitoring. It also checked 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.
- (8) Certain conditions should be provided for to allow better control. In particular, a recommended maximum content should be indicated on the label of the feed additives. Where such content is exceeded, certain information should be indicated on the label of premixtures.
- (9) The fact that the substances concerned are not authorised for use as flavourings in water for drinking does not preclude their use in compound feed which is administered via water.
- (10) The assessment of all the substances concerned shows that the conditions for authorisation, as provided for in Article 5 of Regulation (EC) No 1831/2003, are satisfied. Accordingly, the use of those substances should be authorised. In addition, the Commission considers that appropriate protective measures should be taken to prevent adverse effects on the health of the users of the additives.
- (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.
- (12) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Plants, Animals, Food and Feed,

⁽³⁾ EFSA Journal 2012;10(5):2678.

⁽⁴⁾ EFSA Journal 2012;10(7):2785.

⁽⁵⁾ EFSA Journal 2012;10(10):2928.

⁽⁶⁾ EFSA Journal 2013;11(4):3169.

⁽⁷⁾ EFSA Journal 2015;13(11):4268.

⁽⁸⁾ EFSA Journal 2016;14(2):4389.

⁽⁹⁾ EFSA Journal 2016;14(6):4512.

⁽¹⁰⁾ EFSA Journal 2020;18(2):6002.

⁽¹¹⁾ EFSA Journal 2020;18(2):6017.

⁽¹²⁾ EFSA Journal 2023;21(1):7713.

⁽¹³⁾ Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (OJ L 396, 30.12.2006, p. 1).

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

Transitional measures

1. The substances specified in the Annex and premixtures containing these substances, which are produced and labelled before 26 January 2024 in accordance with the rules applicable before 26 July 2023 may continue to be placed on the market and used until the existing stocks are exhausted.
2. Compound feed and feed materials containing the substances specified in the Annex, which are produced and labelled before 26 July 2024 in accordance with the rules applicable before 26 July 2023 may continue to be placed on the market and used until the existing stocks are exhausted if they are intended for food-producing animals.
3. Compound feed and feed materials containing the substances specified in the Annex, which are produced and labelled before 26 July 2025 in accordance with the rules applicable before 26 July 2023 may continue to be placed on the market and used until the existing stocks are exhausted if they are intended for non-food producing animals.

Article 3

Entry into force

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

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

Done at Brussels, 5 July 2023.

For the Commission
The President
Ursula VON DER LEYEN

ANNEX

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								
2b08005	Butyric acid	<i>Additive composition</i> Butyric acid <i>Characterisation of active substance</i> Butyric acid Produced by chemical synthesis Purity: min. 99 % Chemical formula: C ₄ H ₈ O ₂ CAS number: 107-92-6 FLAVIS: 08.005 <i>Analytical method ⁽¹⁾</i> For the identification of butyric 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 %: 125 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. 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.	26 July 2033

⁽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								
2b09039	Ethyl butyrate	<i>Additive composition</i> Ethyl butyrate <i>Characterisation of active substance</i> Ethyl butyrate Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₆ H ₁₂ O ₂ CAS number: 105 -54 -4 FLAVIS: 09.039 <i>Analytical method ⁽¹⁾</i> For the identification of ethyl butyrate 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 %: 125 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. 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.	26 July 2033

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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								
2b09413	Ethyl isobutyrate	<i>Additive composition</i> Ethyl isobutyrate <i>Characterisation of active substance</i> Ethyl isobutyrate Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₆ H ₁₂ O ₂ CAS number: 97-62-1 FLAVIS: 09.413 <i>Analytical method</i> ⁽¹⁾ For the identification of ethyl isobutyrate 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. 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.	26 July 2033

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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								
2b09447	Ethyl isovalerate	<i>Additive composition</i> Ethyl isovalerate <i>Characterisation of active substance</i> Ethyl isovalerate Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₇H₁₄O₂ CAS number: 108-64-5 FLAVIS: 09.447 <i>Analytical method ⁽¹⁾</i> For the identification of ethyl isovalerate 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. 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.	26 July 2033

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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								
2b09462	Methyl isovalerate	<i>Additive composition</i> Methyl isovalerate <i>Characterisation of active substance</i> Methyl isovalerate Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₆ H ₁₂ O ₂ CAS number: 556-24-1 FLAVIS: 09.462 <i>Analytical method</i> ⁽¹⁾ For the identification of methyl isovalerate 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. 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.	26 July 2033

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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								
2b08055	2-Methyl-2-pentenoic acid	<i>Additive composition</i> 2-Methyl-2-pentenoic acid <i>Characterisation of active substance</i> 2-Methyl-2-pentenoic acid Produced by chemical synthesis Purity: min. 98 % Chemical formula: C₆H₁₀O₂ CAS number: 3142-72-1 FLAVIS: 08.055 <i>Analytical method ⁽¹⁾</i> For the identification of 2-Methyl-2-pentenoic 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 %: 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. 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.	26 July 2033

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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								
2b07015	6-Methylhept-5-en-2-one	<i>Additive composition</i> 6-Methylhept-5-en-2-one <i>Characterisation of active substance</i> 6-Methylhept-5-en-2-one Produced by chemical synthesis Purity: min. 97 % Chemical formula: C ₈ H ₁₄ O CAS number: 110-93-0 FLAVIS: 07.015 <i>Analytical method ⁽¹⁾</i> For the identification of 6-methylhept-5-en-2-one 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 %: 4,5 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. 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.	26 July 2033

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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								
2b07016	Undecan-2-one	<i>Additive composition</i> Undecan-2-one <i>Characterisation of active substance</i> Undecan-2-one Produced by chemical synthesis Purity: min. 96 % Chemical formula: C ₁₁ H ₂₂ O CAS number: 112-12-9 FLAVIS: 07.016 <i>Analytical method ⁽¹⁾</i> For the identification of undecan-2-one 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. 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.	26 July 2033

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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								
2b07019	Octan-2-one	<i>Additive composition</i> Octan-2-one <i>Characterisation of active substance</i> Octan-2-one Produced by chemical synthesis Purity: min. 95 % Chemical formula: C ₈ H ₁₆ O CAS number: 111-13-7 FLAVIS: 07.019 <i>Analytical method</i> ⁽¹⁾ For the identification of octan-2-one 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. 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.	26 July 2033

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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								
2b07020	Nonan-2-one	<i>Additive composition</i> Nonan-2-one <i>Characterisation of active substance</i> Nonan-2-one Produced by chemical synthesis Purity: min. 97 % Chemical formula: C ₉ H ₁₈ O CAS number: 821-55-6 FLAVIS: 07.020 <i>Analytical method ⁽¹⁾</i> For the identification of nonan-2-one 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. 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.	26 July 2033

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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								
2b07062	Octan-3-one	<i>Additive composition</i> Octan-3-one <i>Characterisation of active substance</i> Octan-3-one Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₈ H ₁₆ O CAS number: 106-68-3 FLAVIS: 07.062 <i>Analytical method ⁽¹⁾</i> For the identification of octan-3-one 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. 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.	26 July 2033

⁽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								
2b07103	Tridecan-2- one	<i>Additive composition</i> Tridecan-2- one <i>Characterisation of active substance</i> Tridecan-2- one Produced by chemical synthesis. Purity: min. 95 % Chemical formula: C ₁₃ H ₂₆ O CAS number: 593-08-8 FLAVIS: 07.103 <i>Analytical method ⁽¹⁾</i> For the identification of tridecan-2- one 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. 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.	26 July 2033

⁽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								
2b07139	5- Methylhept 2-en-4-one	<i>Additive composition</i> 5- Methylhept 2-en-4-one <i>Characterisation of active substance</i> 5- Methylhept 2-en-4-one Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₈ H ₁₄ O CAS number: 81925-81-7 FLAVIS: 07.139 <i>Analytical method ⁽¹⁾</i> For the identification of 5-methylhept 2-en-4-one in the feed additive and in feed flavouring premixtures: — Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animals 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. 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.	26 July 2033

⁽¹⁾ Details of the analytical methods are available at the following address of the Reference Laboratory: <https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports>

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								
2b10008	Dodecano-1,5-lactone	<i>Additive composition</i> Dodecano-1,5-lactone <i>Characterisation of active substance</i> Dodecano-1,5-lactone Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₁₂ H ₂₂ O ₂ CAS number: 713-95-1 FLAVIS: 10.008 <i>Analytical method ⁽¹⁾</i> For the identification of dodecano-1,5-lactone 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. 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.	26 July 2033

⁽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								
2b10016	Tetradecano-1,5-lactone	<i>Additive composition</i> Tetradecano-1,5-lactone <i>Characterisation of active substance</i> Tetradecano-1,5-lactone Produced by chemical synthesis Purity: min. 97 % Chemical formula: C ₁₄ H ₂₆ O ₂ CAS number: 2721-22-4 FLAVIS: 10.016 <i>Analytical method ⁽¹⁾</i> For the identification of tetradecano-1,5-lactone 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. 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.	26 July 2033

⁽¹⁾ Details of the analytical methods are available at the following address of the Reference Laboratory: <https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports>

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								
2b13001	5- Methylfurfural	<i>Additive composition</i> 5- Methylfurfural <i>Characterisation of active substance</i> 5- Methylfurfural Produced by chemical synthesis Purity: min. 97 % Chemical formula: C₆H₆O₂ CAS number: 620-02-0 FLAVIS: 13.001 <i>Analytical method ⁽¹⁾</i> For the identification of 5-methylfurfural 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. 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.	26 July 2033

⁽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								
2b07024	4-Phenylbut-3-en-2-one	<i>Additive composition</i> 4-Phenylbut-3-en-2-one <i>Characterisation of active substance</i> 4-Phenylbut-3-en-2-one Produced by chemical synthesis Purity: min. 97 % Chemical formula: C₁₀H₁₀O CAS number: 122-57-6 FLAVIS: 07.024 <i>Analytical method ⁽¹⁾</i> For the identification of 4-phenylbut-3-en-2-one 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. 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.	26 July 2033

⁽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								
2b02128	p-Anisyl alcohol	<i>Additive composition</i> p-Anisyl alcohol <i>Characterisation of active substance</i> p-Anisyl alcohol Produced by chemical synthesis Purity: min. ≥97 % Chemical formula: C ₈ H ₁₀ O ₂ CAS number: 105-13-5 FLAVIS: 02.128 <i>Analytical method ⁽¹⁾</i> For the identification of p-anisyl alcohol 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 %: — Poultry and fish: 1 mg. — Other animal species: 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. 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.	26 July 2033

⁽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								
2b05015	4-Methoxybenzaldehyde	<i>Additive composition</i> 4-Methoxybenzaldehyde <i>Characterisation of active substance</i> 4- Methoxybenz aldehyde Produced by chemical synthesis Purity: min. ≥ 97 % Chemical formula: C ₈ H ₈ O ₂ CAS number: 123-11-5 FLAVIS: 05.015 <i>Analytical method</i> ⁽¹⁾ For the identification of 4-methoxybenzaldehyde 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. 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.	26 July 2033

⁽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								
2b05016	Piperonal	<i>Additive composition</i> Piperonal <i>Characterisation of active substance</i> Piperonal Produced by chemical synthesis Purity: min. ≥ 98 % Chemical formula: C ₈ H ₆ O ₃ CAS number: 120-57-0 FLAVIS: 05.016 <i>Analytical method ⁽¹⁾</i> For the identification of piperonal 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. 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.	26 July 2033

⁽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								
2b05018	Vanillin	<i>Additive composition</i> Vanillin <i>Characterisation of active substance</i> Vanillin Produced by chemical synthesis Purity: min. 97 % Chemical formula: C ₈ H ₈ O ₃ CAS number: 121-33-5 FLAVIS: 05.018 <i>Analytical method</i> ⁽¹⁾ For the identification of vanillin 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 %: 125 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. 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.	26 July 2033

⁽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								
2b09019	p-Anisyl acetate	<i>Additive composition</i> p-Anisyl acetate <i>Characterisation of active substance</i> p-Anisyl acetate Produced by chemical synthesis Purity: min. 97 % Chemical formula: C₁₀H₁₂O₃ CAS number: 104-21-2 FLAVIS: 09.019 <i>Analytical method ⁽¹⁾</i> For the identification of p-anisyl 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 %: — Poultry and fish: 1 mg. — Other animal species: 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. 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.	26 July 2033

⁽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								
2b09727	Benzyl benzoate	<i>Additive composition</i> Benzyl benzoate <i>Characterisation of active substance</i> Benzyl benzoate Produced by chemical synthesis Purity: min. > 99 % Chemical formula: C ₁₄ H ₁₂ O ₂ CAS number: 120-51-4 FLAVIS: 09.727 <i>Analytical method ⁽¹⁾</i> For the identification of benzyl benzoate 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. 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.	26 July 2033

⁽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								
2b09750	Isobutyl salicylate	<i>Additive composition</i> Isobutyl salicylate <i>Characterisation of active substance</i> Isobutyl salicylate Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₁₁ H ₁₄ O ₃ CAS number: 87-19-4 FLAVIS: 09.750 <i>Analytical method</i> ⁽¹⁾ For the identification of isobutyl salicylate 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. 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.	26 July 2033

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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								
2b09751	Isopentyl salicylate	<i>Additive composition</i> Isopentyl salicylate <i>Characterisation of active substance</i> Isopentyl salicylate Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₁₂ H ₁₆ O ₃ CAS number: 87-20-7 FLAVIS: 09.751 <i>Analytical method ⁽¹⁾</i> For the identification of isopentyl salicylate 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. 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.	26 July 2033

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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								
2b09752	Benzyl salicylate	<i>Additive composition</i> Benzyl salicylate <i>Characterisation of active substance</i> Benzyl salicylate Produced by chemical synthesis Purity: min. 98 % Chemical formula: C ₁₄ H ₁₂ O ₃ CAS number: 118-58-1 FLAVIS:09.752 <i>Analytical method ⁽¹⁾</i> For the identification of benzyl salicylate 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. 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.	26 July 2033

⁽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								
2b04035	Diphenyl ether	<i>Additive composition</i> Diphenyl ether <i>Characterisation of active substance</i> Diphenyl ether Produced by chemical synthesis Purity: min. 99 % Chemical formula: C ₁₂ H ₁₀ O CAS number: 101-84-8 FLAVIS: 04.035 <i>Analytical method ⁽¹⁾</i> For the identification of diphenyl ether 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. 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.	26 July 2033

⁽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