

REGULATIONS

COMMISSION IMPLEMENTING REGULATION (EU) 2020/1510

of 16 October 2020

concerning the authorisation of cinnamyl alcohol, 3-phenylpropan-1-ol, 2-phenylpropanal, 3-(p-cumenyl)-2-methylpropionaldehyde, alpha-methylcinnamaldehyde, 3-phenylpropanal, cinnamic acid, cinnamyl acetate, cinnamyl butyrate, 3-phenylpropyl isobutyrate, cinnamyl isovalerate, cinnamyl isobutyrate, ethyl cinnamate, methyl cinnamate and isopentyl cinnamate as feed additives for all animal species except for marine animals

(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 cinnamyl alcohol, 3-phenylpropan-1-ol, 2-phenylpropanal, 3-(p-cumenyl)-2-methylpropionaldehyde, alpha-methylcinnamaldehyde, 3-phenylpropanal, cinnamic acid, cinnamyl acetate, cinnamyl butyrate, 3-phenylpropyl isobutyrate, cinnamyl isovalerate, cinnamyl isobutyrate, ethyl cinnamate, methyl cinnamate and isopentyl cinnamate ('substances concerned') were authorised without a time limit in accordance with Directive 70/524/EEC as feed additives for all animal species. Those additives were subsequently entered in the Register of feed additives as existing products, in accordance with Article 10(1)(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, an application was submitted for the re-evaluation of the substances concerned as feed additives for all animal species. The applicant requested those additives to be classified in the additive category 'sensory additives' and in the functional group 'flavouring compounds'. That application was accompanied by the particulars and documents required under Article 7(3) of Regulation (EC) No 1831/2003.
- (4) The European Food Safety Authority ('the Authority') concluded in its opinion of 6 December 2016 ⁽³⁾ that, under the proposed conditions of use, the substances concerned do not have adverse effects on animal health, human health or the environment. The Authority concluded that for the marine environment, the safe use level is estimated to be 0,05 mg/kg feed. The levels of use proposed for the substances concerned exceed the safe level for the marine environment, therefore, the use for marine animals is not authorised. The Authority also concluded in the opinion that the substances concerned are efficacious when used in food, as they increase the food smell or palatability. Therefore, that conclusion can be extrapolated to feed. The applicant withdrew the application for water for drinking. However, the substances concerned can be used within compound feeds which are subsequently administered via water.

⁽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).

⁽³⁾ EFSA Journal 2017;15(1):4672.

- (5) The Authority concluded that hazards for the skin, eye contact and respiratory exposure are recognised. Most of the substances concerned are classified as irritating to the respiratory system. Consequently, appropriate protective measures should be taken. The Authority does not consider that there is a need for specific requirements of post-market monitoring. It also verified the report on the method of analysis of the feed additives in feed submitted by the Reference Laboratory set up by Regulation (EC) No 1831/2003.
- (6) The assessment of 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 as specified in the Annex to this Regulation.
- (7) Restrictions and conditions should be provided for to allow better control. Since safety reasons do not require the setting of a maximum content and taking into account the re-evaluation performed by the Authority, a recommended content should be indicated on the label of the additive. Where such content is exceeded, certain information should be indicated on the label of premixtures.
- (8) 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 allow a transitional period for interested parties to prepare themselves to meet the new requirements resulting from the authorisation.
- (9) 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 feed 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 those substances, which are produced and labelled before 8 May 2021 in accordance with the rules applicable before 8 November 2020 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 as specified in the Annex which are produced and labelled before 8 November 2021 in accordance with the rules applicable before 8 November 2020 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 as specified in the Annex which are produced and labelled before 8 November 2022 in accordance with the rules applicable before 8 November 2020 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, 16 October 2020.

For the Commission
The President
Ursula VON DER LEYEN

ANNEX

Identification number of the additive	Name of the holder of authorisation	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									
2b02017	-	Cinnamyl alcohol	<p><i>Additive composition</i></p> <p>Cinnamyl alcohol</p> <p><i>Characterisation of the active substance</i></p> <p>Cinnamyl alcohol Produced by chemical synthesis Purity: min. 98 % assay Chemical formula: C₉H₁₀O CAS number: 104-54-1 FLAVIS No: 02.017</p> <p><i>Method of analysis (*)</i></p> <p>For the determination of cinnamyl alcohol in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 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.' The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and pre- 	8.11.2030

								mixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves.	
2b02031	-	3-Phenylpropan-1-ol	<p><i>Additive composition</i></p> <p>3-Phenylpropan-1-ol</p> <p><i>Characterisation of the active substance</i></p> <p>3-Phenylpropan-1-ol Produced by chemical synthesis Purity: min. 98 % assay Chemical formula: C₉H₁₂O CAS number: 122-97-4 FLAVIS No: 02.031</p> <p><i>Method of analysis (*)</i></p> <p>For the determination 3-phenylpropan-1-ol in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 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.' The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves. 	8.11.2030

2b05038	-	2-Phenylpropanal	<p><i>Additive composition</i></p> <p>2-Phenylpropanal</p> <p><i>Characterisation of the active substance</i></p> <p>2-Phenylpropanal Produced by chemical synthesis Purity: min. 95 % assay Chemical formula: C₉H₁₀O CAS number: 93-53-8 FLAVIS No: 05.038</p> <p><i>Method of analysis (*)</i></p> <p>For the determination 2-phenylpropanal in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. 3. The recommended maximum content of the active substance shall be: For cats: 1 mg/kg, and for other species and categories: 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 4. 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 %: — 1 mg/kg for cats; — 5 mg/kg for other species and categories.' 5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the labelling of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: — 1 mg/kg for cats; — 5 mg/kg for other species and categories. 6. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves 	8.11.2030
---------	---	------------------	---	--	---	---	---	---	-----------

2b05045	-	3-(p-Cumenyl)-2-methylpropionaldehyde	<p><i>Additive composition</i></p> <p>3-(p-Cumenyl)-2-methylpropionaldehyde</p> <p><i>Characterisation of the active substance</i></p> <p>3-(p-Cumenyl)-2-methylpropionaldehyde Produced by chemical synthesis Purity: min. 90 % assay Chemical formula: C₁₃H₁₈O CAS number: 103-95-7 FLAVIS No: 05.045</p> <p><i>Method of analysis (1)</i></p> <p>For the determination of 3-(p-Cumenyl)-2-methylpropionaldehyde in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. 3. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 4. 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.' 5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg 6. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves. 	8.11.2030
2b05050	-	Alpha-methylcinnamaldehyde	<p><i>Additive composition</i></p> <p>Alpha-methylcinnamaldehyde</p> <p><i>Characterisation of the active substance</i></p> <p>Alpha-methylcinnamaldehyde</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. 	8.11.2030

			<p>Produced by chemical synthesis Purity: min. 95 % assay Chemical formula: C₁₀H₁₀O CAS number: 101-39-3 FLAVIS No: 05.050</p> <p><i>Method of analysis</i> (1)</p> <p>For the determination of alpha-methylcinnamaldehyde in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>					<ol style="list-style-type: none"> 3. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 4. 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.' 5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg 6. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves. 	
2b05080	-	3-Phenylpropanal	<p><i>Additive composition</i></p> <p>3-Phenylpropanal</p> <p><i>Characterisation of the active substance</i></p> <p>3-Phenylpropanal Produced by chemical synthesis Purity: min. 95 % assay Chemical formula: C₉H₁₀O CAS number: 104-53-0</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. 3. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 4. On the label of the additive the following shall be indicated: 	8.11.2030

			<p>FLAVIS No: 05.080</p> <p><i>Method of analysis</i> (1)</p> <p>For the determination of 3-phenylpropanal in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>					<p>'Recommended maximum content of the active substance of complete feedingstuff with a moisture content of 12 %: 5 mg/kg.'</p> <p>5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg</p> <p>6. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves.</p>	
2b08022	-	Cinnamic acid	<p><i>Additive composition</i></p> <p>Cinnamic acid</p> <p><i>Characterisation of the active substance</i></p> <p>Cinnamic acid Produced by chemical synthesis Purity: min. 98 % assay Chemical formula: C₉H₈O₂ CAS number: 621-82-9 FLAVIS No: 08.022</p> <p><i>Method of analysis</i> (1)</p>	All animal species except marine animals	-	-	-	<p>1. The additive shall be incorporated into the feed in the form of a premixture.</p> <p>2. In the directions for use of the additive and premixtures, the storage and stability conditions shall be indicated.</p> <p>3. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %.</p> <p>4. 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.'</p>	8.11.2030

			For the determination of cinnamic acid in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.					5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg 6. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves.	
2b09018	-	Cinnamyl acetate	<i>Additive composition</i> Cinnamyl acetate <i>Characterisation of the active substance</i> Cinnamyl acetate Produced by chemical synthesis Purity: min.98 % assay Chemical formula: C ₁₁ H ₁₂ O ₂ CAS number: 103-54-8 FLAVIS No: 09.018 <i>Method of analysis</i> ⁽¹⁾ For the determination of cinnamyl acetate in the feed additive and in feed flavouring premixtures:	All animal species except marine animals	-	-	-	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 and stability conditions shall be indicated. 3. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 4. 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.' 5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of	8.11.2030

			Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.					the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg 6. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves.	
2b09053	-	Cinnamyl butyrate	<p><i>Additive composition</i></p> <p>Cinnamyl butyrate</p> <p><i>Characterisation of the active substance</i></p> <p>Cinnamyl butyrate Produced by chemical synthesis Purity: min. 98 % assay Chemical formula: C₁₃H₁₆O₂ CAS number: 103-61-7 FLAVIS No: 09.053</p> <p><i>Method of analysis</i> ⁽¹⁾</p> <p>For the determination of cinnamyl butyrate in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. 3. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 4. 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.' 5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg 	8.11.2030

								6. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves.	
2b09428	-	3-Phenylpropyl isobutyrate	<p><i>Additive composition</i></p> <p>3-Phenylpropyl isobutyrate</p> <p><i>Characterisation of the active substance</i></p> <p>3-Phenylpropyl isobutyrate Produced by chemical synthesis Purity: min. 98 % assay Chemical formula: C₁₃H₁₈O₂ CAS number: 103-58-2 FLAVIS No: 09.428.</p> <p><i>Method of analysis (1)</i></p> <p>For the determination of 3-phenylpropyl isobutyrate in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 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.' The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those 	8.11.2030

								risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and pre-mixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves.	
2b09459	-	Cinnamyl isovalerate	<p><i>Additive composition</i></p> <p>Cinnamyl isovalerate</p> <p><i>Characterisation of the active substance</i></p> <p>Cinnamyl isovalerate Produced by chemical synthesis Purity: min. 95 % assay Chemical formula: C₁₄H₁₈O₂ CAS number: 140-27-2 FLAVIS No: 09.459</p> <p><i>Method of analysis</i> (1)</p> <p>For the determination of cinnamyl isovalerate in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. 3. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 4. 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.' 5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg 6. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and pre- 	8.11.2030

								mixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves.	
2b09470	-	Cinnamyl isobutyrate	<p><i>Additive composition</i></p> <p>Cinnamyl isobutyrate</p> <p><i>Characterisation of the active substance</i></p> <p>Cinnamyl isobutyrate Produced by chemical synthesis Purity: min. 96 % assay Chemical formula: C₁₃H₁₆O₂ CAS number: 103-59-3 FLAVIS No: 09.470</p> <p><i>Method of analysis (*)</i></p> <p>For the determination of cinnamyl isobutyrate in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 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.' The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves. 	8.11.2030

2b09730	-	Ethyl cinnamate	<p><i>Additive composition</i></p> <p>Ethyl cinnamate</p> <p><i>Characterisation of the active substance</i></p> <p>Ethyl cinnamate Produced by chemical synthesis Purity: min. 98 % assay Chemical formula: C₁₁H₁₂O₂ CAS number: 103-36-6 FLAVIS No: 09.730</p> <p><i>Method of analysis (*)</i></p> <p>For the determination of ethyl cinnamate in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. 3. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 4. 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.' 5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg 6. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves. 	8.11.2030
2b09740	-	Methyl cinnamate	<p><i>Additive composition</i></p> <p>Methyl cinnamate</p> <p><i>Characterisation of the active substance</i></p> <p>Methyl cinnamate</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. 	8.11.2030

			<p>Produced by chemical synthesis Purity: min. 98 % assay Chemical formula: C₁₀H₁₀O₂ CAS number: 103-26-4 FLAVIS No: 09.740</p> <p><i>Method of analysis</i> ⁽¹⁾</p> <p>For the determination of methyl cinnamate in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>					<ol style="list-style-type: none"> 3. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 4. 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.' 5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg 6. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves. 	
2b09742	-	Isopentyl cinnamate	<p><i>Additive composition</i></p> <p>Isopentyl cinnamate</p> <p><i>Characterisation of the active substance</i></p> <p>Isopentyl cinnamate Produced by chemical synthesis Purity: min. 97 % assay Chemical formula: C₁₄H₁₈O₂</p>	All animal species except marine animals	-	-	-	<ol style="list-style-type: none"> 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 and stability conditions shall be indicated. 3. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %. 	8.11.2030

			<p>CAS number: 7779-65-9 FLAVIS No: 09.742</p> <p><i>Method of analysis</i> ⁽¹⁾</p> <p>For the determination of isopentyl cinnamate in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>				<p>4. 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.'</p> <p>5. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixtures, if the following contents of the active substance in complete feedingstuff with a moisture content of 12 % are exceeded: 5 mg/kg</p> <p>6. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves.</p>	
--	--	--	---	--	--	--	--	--

⁽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>