COMMISSION IMPLEMENTING REGULATION (EU) 2017/65

of 14 December 2016

concerning the authorisation of 1-isopropyl-4-methylbenzene, pin-2(10)-ene, pin-2(3)-ene, beta-caryophyllene, camphene, 1-isopropenyl-4-methylbenzene, delta-3-carene and d-limonene 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 of that Regulation provides for the reevaluation of additives authorised pursuant to Council Directive 70/524/EEC (²).
- 1-Isopropyl-4-methylbenzene, pin-2(10)-ene, pin-2(3)-ene, beta-caryophyllene, camphene, 1-isopropenyl-4-methylbenzene, delta-3-carene and d-limonene, were authorised without a time limit in accordance with Directive 70/524/EEC as feed additives for all animal species. Those products were subsequently entered in the Register of feed additives as existing products, in accordance with Article 10(1) 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 1-isopropyl-4-methylbenzene, pin-2(10)-ene, pin-2(3)-ene, beta-caryophyllene, camphene, 1-isopropenyl-4-methylbenzene, delta-3-carene and d-limonene as feed additives for all animal species. The applicant requested those additives to be classified in the additive category 'sensory additives'. 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 opinions (3) of 10 March 2015 and of 1 December 2015 that, under the proposed conditions of use in feed 1-isopropyl-4-methylbenzene, pin-2(10)-ene, pin-2(3)-ene, beta-caryophyllene, camphene, 1-isopropenyl-4-methylbenzene, delta-3-carene and d-limonene do not have adverse effects on animal health, human health or the environment. The Authority further concluded that the function of 1-isopropyl-4-methylbenzene, pin-2(10)-ene, pin-2(3)-ene, beta-caryophyllene, camphene, 1-isopropenyl-4-methylbenzene and d-limonene in feed is similar to that on food. The Authority has already concluded that for food 1-isopropyl-4-methylbenzene, pin-2(10)-ene, pin-2(3)-ene, beta-caryophyllene, camphene, 1-isopropenyl-4-methylbenzene, delta-3-carene and d-limonene are efficacious, as it increases the food smell or palatability. The Authority could not conclude on the safety of for pin-2(3)-ene, pin-2 (10)-ene, delta-3-carene, beta-caryophyllene and camphene used in water for drinking. The Authority concluded that for d-limonene, 1-isopropyl-4-methylbenzene and 1-isopropenyl-4-methylbenzene the absence of margin of safety would not allow simultaneous administration in feed and water. However, those substances can be used within a compound feed subsequently administered via water.
- (5) Restrictions and conditions should be provided for to allow better control. For practical reasons and taking into account the re-evaluation performed by the Authority, maximum recommended contents should be set up. Where the recommended content of the additive in complete feedingstuff is exceeded, the identification number of the feed additive, its name and added amount should be indicated on the label of premixtures, compound feeds and feed materials.

⁽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 2015;13(3):4053 and EFSA Journal 2016;14(1):4339

- (6) The Authority concluded that in the absence of data on user safety 1-Isopropyl- 4-methylbenzene, pin-2(10)-ene, pin-2(3)-ene, beta-caryophyllene, camphene, 1-isopropenyl-4-methylbenzene, delta-3-carene and d-limonene should be considered as irritant to skin, eyes and respiratory tract and as a skin sensitiser. 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.
- (7) 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.
- (8) Since safety reasons do not require the immediate application of the modifications to the conditions of authorisation for 1-isopropyl- 4-methylbenzene, pin-2(10)-ene, pin-2(3)-ene, beta-caryophyllene, camphene, 1-isopropenyl-4-methylbenzene, delta-3-carene and d-limonene 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 as specified in the Annex and premixtures containing those substances, which are produced and labelled before 6 August 2017 in accordance with the rules applicable before 6 February 2017 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 6 February 2018 in accordance with the rules applicable before 6 February 2017 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 6 February 2019 in accordance with the rules applicable before 6 February 2017 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, 14 December 2016.

For the Commission The President Jean-Claude JUNCKER

ANNEX

Identifica- tion	Name of the		Composition, chemical formula,	Species or	Maximum	Minimum content	Maximum content		End of
number of the additive	holder of authorisation	Additive	description, analytical method	category of animal	age	mg of active su complete feed a moisture con	lingstuff with		period of authorisation
(1)	(2)	(3)	(4)	(5)	(6)	(7	")	(8)	(9)

Category: Sensory additives. Functional group: Flavouring compounds

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
							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, feed materials and compound feedingstuffs, if the following content of the active substance in complete feedingstuff with a moisture content of 12 % is exceeded:	
							 — 14 mg/kg for cats; — 25 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 eye 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.	
2Ь01003		Pin-2(10)- ene	Additive composition Pin-2(10)-ene Characterisation of the active substance Pin-2(10)-ene Produced by chemical synthesis Purity: min. 97 % Chemical formula: C ₁₀ H ₁₆	All animal species			 The additive shall be incorporated into the feed in the form of a premixture. In the directions for use of the additive and premixtures, the storage 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 %. 	6 February 2027

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			CAS No 127-91-3 FLAVIS No: 01.003 Method of analysis (¹) For the determination of pin-2(10)-ene in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.				 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 labelling of the premixtures, feed materials and compound feedingstuffs, if the following content of the active substance in complete feedingstuff with a moisture content of 12 % is 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 eye 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.
b01004	_	Pin-2(3)-ene	Additive composition Pin-2(3)-ene Characterisation of the active substance Pin-2(3)-ene	All animal species	_	_	 The additive shall be incorporated into the feed in the form of a premixture. In the directions for use of the additive and premixtures, the storage and stability conditions shall be indicated.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
			Produced by chemical synthesis Purity: min. 97 % Chemical formula: C ₁₀ H ₁₆ CAS No 80-56-8 FLAVIS No: 01.004 Method of analysis (¹) For the determination of pin-2(3)-ene in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.					 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 labelling of the premixtures, feed materials and compound feedingstuffs, if the following content of the active substance in complete feedingstuff with a moisture content of 12 % is 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 eye 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. 		
2b01007	_	beta-caryo- phyllene	Additive composition beta-caryophyllene	All animal species	_	_	_	The additive shall be incorporated into the feed in the form of a premixture.	6 February 2027	

(1)	(2)	(3)	(4)	(5)	(6)	()	7)	(8)	(9)
(1)	(2)	(3)	Characterisation of the active substance beta-caryophyllene Produced by chemical synthesis Purity: min. 80 % Chemical formula: C ₁₅ H ₂₄ CAS No 87-44-5 FLAVIS No: 01.007 Method of analysis (¹)	(5)	(6)		7)	 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 	(9)
			For the determination of beta-caryophyllene in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.					 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 labelling of the premixtures, feed materials and compound feedingstuffs, if the following content of the active substance in complete feedingstuff with a moisture content of 12 % is 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 eye 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. 	
2b01009	_	Camphene	Additive composition Camphene	All animal species	_	_	_	The additive shall be incorporated into the feed in the form of a premixture.	6 February 2027

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			Characterisation of the active substance Camphene				2. In the directions for use of the additive and premixtures, the storage and stability conditions shall be indicated.	
			Produced by chemical synthesis Purity: min. 80 %				3. The recommended maximum content of the active substance shall be 5 mg/kg of complete feedingstuff with a moisture content of 12 %.	
			Chemical formula: C ₁₀ H ₁₆ CAS No 79-92-5				4. On the label of the additive the following shall be indicated:	
			FLAVIS No: 01.009 Method of analysis (¹) For the determination of camphene in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.				'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 labelling of the premixtures, feed materials and compound feedingstuffs, if the following content of the active substance in complete feedingstuff with a moisture content of 12 % is 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 eye 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.	

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ь01010		1-Isoprope- nyl-4- methylben- zene	Additive composition 1-Isopropenyl-4-methylbenzene Characterisation of the active substance 1-Isopropenyl-4-methylbenzene Produced by chemical synthesis Purity: min. 97 % Chemical formula: C ₁₀ H ₁₂ CAS No 1195-32-0 FLAVIS No:01.010 Method of analysis (¹) For the determination of 1-Isopropenyl-4-methylbenzene in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species			 The additive shall be incorporated into the feed in the form of a premixture. In the directions for use of the additive and premixtures, the storage and stability conditions shall be indicated. The recommended maximum content of the active substance shall be: for pigs and poultry: 1 mg/kg, and for other species and categories: 1,5 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 %:	6 February 2027

(1) (2)	(3)	(4)	(5)	(6)	(7	7)	(8)	(9)	. 13
							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 eye 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.		L 13/256 EN
2b01029 —	delta-3-Carene	Additive composition delta-3-Carene Characterisation of the active substance delta-3-Carene Produced by chemical synthesis Purity: min. 92 % Chemical formula: C ₁₀ H ₁₆ CAS No 13466-78-9 FLAVIS No:01.029 Method of analysis (¹) For the determination of delta-3-Carene in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species				 The additive shall be incorporated into the feed in the form of a premixture. In the directions for use of the additive and premixtures, the storage 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 labelling of the premixtures, feed materials and compound feedingstuffs, if the following content of the active substance in complete feedingstuff with a moisture content of 12 % is exceeded: 5 mg/kg 	6 February 2027	Official Journal of the European Union 17.1.2017

(1)	(2)	(3)	(4)	(5)	(6)	(2	7)	(8)	(9)	17.1.
								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 eye 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.		17.1.2017 EN
2b01045		d-Limonene	Additive composition d-Limonene Characterisation of the active substance d-Limonene Produced by chemical synthesis Purity: min. 96 % Chemical formula: C ₁₀ H ₁₆ CAS No 5989-27-5 FLAVIS No: 01.045 Method of analysis (¹) For the determination of d-limonene in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.	All animal species except male rats		_	_	 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 25 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 %: 25 mg/kg. 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, feed materials and compound feedingstuffs, if the following content of the active substance in complete feedingstuff with a moisture content of 12 % is exceeded: 25 mg/kg 	6 February 2027	Official Journal of the European Union L 13/257

17.1.2017

L 13/258

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
							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 eye 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.	

 $^{(^1) \}quad \text{Details of the analytical methods are available at the following address of the Reference Laboratory: https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports}$