

COMMISSION IMPLEMENTING REGULATION (EU) 2018/241**of 15 February 2018****concerning the authorisation of piperine, 3-methylindole, indole, 2-acetylpyrrole and pyrrolidine 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 re-evaluation of additives authorised pursuant to Council Directive 70/524/EEC ⁽²⁾.
- (2) The substances piperine, 3-methylindole, indole, 2-acetylpyrrole and pyrrolidine, ('the substances concerned') were authorised without a time limit by Directive 70/524/EEC as feeds additives for all animal species. Those substances were subsequently entered in the Register of feed additives as existing products, in accordance with Article 10(1) 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 that those additives be classified in the additive category 'sensory additives'. This 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 26 January 2016 ⁽³⁾ that, under the proposed conditions of use in feed, the substances concerned do not have adverse effects on animal health, human health or the environment. The Authority has concluded that, since the substances concerned are efficacious when used in food as flavourings and their function in feed is essentially the same as in food, no further demonstration of efficacy was necessary. Therefore, that conclusion can be extrapolated to feed. The applicant withdrew the application for water for drinking. However, it should be possible to use the substances concerned within compound feeds which are subsequently administered via water.
- (5) 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, recommended contents should be indicated on the label of the additive. Where such contents are exceeded, certain information should be indicated on the label of premixtures and on the labelling of feed materials and compound feed.
- (6) The Authority noted that for the substances concerned potential hazards for skin and eye contact and respiratory exposure are recognised. Most 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.
- (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.

⁽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 2016;14(2):4390

- (8) Since safety reasons do not require the immediate application of the modifications to the conditions of authorisation for 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 15 September 2018 in accordance with the rules applicable before 15 March 2018 may continue to be placed on the market and used until the existing stocks are exhausted.
2. Feed materials and compound feed containing the substances specified in the Annex which are produced and labelled before 15 March 2019 in accordance with the rules applicable before 15 March 2018 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. Feed materials and compound feed containing the substances specified in the Annex which are produced and labelled before 15 March 2020 in accordance with the rules applicable before 15 March 2018 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, 15 February 2018.

For the Commission
The President
Jean-Claude JUNCKER

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									
2b14003	—	Piperine	<p><i>Additive composition</i></p> <p>Piperine</p> <p><i>Characterisation of the active substance</i></p> <p>Piperine</p> <p>Produced by chemical synthesis</p> <p>Purity: min. 95 %</p> <p>Chemical formula: C₁₇H₁₉O₃N</p> <p>CAS number: 94-62-2</p> <p>FLAVIS No: 14.003</p> <p><i>Method of analysis</i> ⁽¹⁾</p> <p>For the determination of piperine in the feed additive and in feed flavouring premixtures:</p> <p>Gas chromatography coupled to a Flame Ionisation Detector (GC-FID).</p>	All animal species	—	—	—	<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: 0,5 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 %: 0,5 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 premixtures and on the labelling of feed materials and compound feedingstuffs, if the content of the active substance in complete feedingstuff with a moisture content of 12 % exceeds: 0,5 mg/kg. 	15.3.2028

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 %			
								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.	
2b14004	—	3-Methylindole	<p><i>Additive composition</i></p> <p>3-Methylindole</p> <p><i>Characterisation of the active substance</i></p> <p>3-Methylindole</p> <p>Produced by chemical synthesis</p> <p>Purity: min. 97 %</p> <p>Chemical formula: C₉H₉N</p> <p>CAS number: 83-34-1</p> <p>FLAVIS No:14.004</p> <p><i>Method of analysis</i> ⁽¹⁾</p> <p>For the identification of 3-methylindole in the feed additive and flavouring premixtures:</p> <p>Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species	—	—	—	<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: 0,5 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 %: 0,5 mg/kg'. 	15.3.2028

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 %			
								<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 premixtures and on the labelling of feed materials and compound feedingstuffs, if the content of the active substance in complete feedingstuff with a moisture content of 12 % exceeds: 0,5 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>	
2b14007	—	Indole	<p><i>Additive composition</i></p> <p>Indole</p> <p><i>Characterisation of the active substance</i></p> <p>Indole</p> <p>Produced by chemical synthesis</p> <p>Purity: min. 97 %</p> <p>Chemical formula: C₈H₇N</p>	All animal species	—	—	—	<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>	15.3.2028

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 %			
			<p>CAS number: 120-72-9 FLAVIS No: 14.007 <i>Method of analysis</i> (1) For the determination of indole in the feed additive and in feed flavouring premixtures: Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>					<p>3. The recommended maximum content of the active substance shall be: 0,5 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 %: 0,5 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 premixtures and on the labelling of feed materials and compound feedingstuffs, if the content of the active substance in complete feedingstuff with a moisture content of 12 % exceeds: 0,5 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>	

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 %			
2b14047	—	2-Acetylpyrrole	<p><i>Additive composition</i></p> <p>2-Acetylpyrrole</p> <p><i>Characterisation of the active substance</i></p> <p>2-Acetylpyrrole</p> <p>Produced by chemical synthesis</p> <p>Purity: min. 97 %</p> <p>Chemical formula: C₆H₇ON</p> <p>CAS number 1072-83-9</p> <p>FLAVIS No: 14.047</p> <p><i>Method of analysis</i> (1)</p> <p>For the determination of 2-acetylpyrrole in the feed additive and in feed flavouring premixtures:</p> <p>Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species	—	—	—	<ol style="list-style-type: none"> The additive shall be incorporated into the feed in the form of a pre-mixture. 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: 0,5 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 %: 0,5 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 premixtures and on the labelling of feed materials and compound feedingstuffs, if the content of the active substance in complete feedingstuff with a moisture content of 12 % exceeds: 0,5 mg/kg. 	15.3.2028

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 %			
								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.	
2b14064	—	Pyrrolidine	<p><i>Additive composition</i></p> <p>Pyrrolidine</p> <p><i>Characterisation of the active substance</i></p> <p>Pyrrolidine</p> <p>Produced by chemical synthesis</p> <p>Purity: min. 95 %</p> <p>Chemical formula: C₄H₉N</p> <p>CAS number 123-75-1</p> <p>FLAVIS No: 14.064</p> <p><i>Method of analysis (1)</i></p> <p>For the determination of pyrrolidine the feed additive and in feed flavouring premixtures:</p> <p>Gas chromatography mass spectrometry with retention time locking GC-MS-RTL.</p>	All animal species	—	—	—	<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 of complete feedingstuff with a moisture content of 12 % shall be: <ul style="list-style-type: none"> — 0,3 mg/kg for pigs and poultry, — 0,5 mg/kg for other species and categories. On the label of the additive the following shall be indicated: <p>'Recommended maximum content of the active substance of complete feedingstuff with a moisture content of 12 %:</p> <ul style="list-style-type: none"> — 0,3 mg/kg for pigs and poultry, — 0,5 mg/kg for other species and categories.' 	15.3.2028

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 %			
								<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 premixtures and on the labelling of feed materials and compound feedingstuffs, if the content of the active substance in complete feedingstuff with a moisture content of 12 % exceeds:</p> <ul style="list-style-type: none"> — 0,3 mg/kg for pigs and poultry, — 0,5 mg/kg for other species and categories. <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>