►B ►M1 **COMMISSION IMPLEMENTING REGULATION (EU) 2022/320**

of 25 February 2022

concerning the authorisation of expressed mandarin essential oil as a feed additive for certain animal species ◄

(Text with EEA relevance)

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Article 1

Authorisation

The substance specified in the Annex, belonging to the additive category ‘sensory additives’ and to the functional group ‘flavouring compounds’, is authorised as feed additive in animal nutrition, subject to the conditions laid down in that Annex.

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Article 2

Transitional measures

1. The substance specified in the Annex and premixtures containing this substance, which are produced and labelled before 5 August 2024 in accordance with the rules applicable before 5 February 2024, may continue to be placed on the market and used until the existing stocks are exhausted.

2. Compound feed and feed materials containing the substance specified in the Annex, which are produced and labelled before 5 February 2025 in accordance with the rules applicable before 5 February 2024, 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 substance specified in the Annex, which are produced and labelled before 5 February 2026 in accordance with the rules applicable before 5 February 2024, 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.

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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.

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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 active substance/kg of complete feed with a moisture content of 12 %			
Category: Sensory additives. Functional group: Flavouring compounds									
2b142-eo	—	Expressed mandarin essential oil	*Additive composition* Mandarin essential oil obtained from fruit peel of *Citrus reticulata* Blanco. Liquid form *Characterisation of the active substance* Expressed mandarin essential oil obtained by cold expression from fruit peel of *Citrus reticulata* Blanco as defined by the Council of Europe ([1]). d-Limonene: 65–80 % γ-Terpinene: 13-22 % α-Pinene (pin-2(3)-ene): 1-3,5 % Myrcene:1-2 % β-Pinene (pin-2(10)-ene): 1-2 %. Methyl N-methyl anthranilate: 0,15-0,7 % Perillaldehyde: ≤ 0,063 % CAS number: 8008-31-9	Poultry Rabbits Salmonids	—	—	15	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. Mixture of expressed mandarin essential oil with other botanical additives is permitted provided that the amounts of perillaldehyde in feed materials and compound feed are lower than the one resulting from the use of a single additive at the maximum or recommended level for the species or animal category. 4. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address	20 March 2032
				Suidae	—	—	33		
				Ruminants	—	—	30		
				Horses	—	—	40		
				Other animal species and categories except dogs, cats, ornamental fish and ornamental birds	—	—	15		

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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 active substance/kg of complete feed with a moisture content of 12 %			
			FEMA number: 2657 CoE number: 142 *Analytical method* (2) For the quantification of phytochemical marker *d-limonene* in the feed additive: — Gas chromatography coupled with flame ionisation detection (GC-FID) (based on ISO 3528)					potential risks by inhalation, dermal contact or eyes contact. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal skin, eye and breathing protective equipment.	

(1) Natural sources of flavourings – Report No 2 (2007)
(2) 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