

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	-	Mandarin essential oil	Additive composition Mandarin essential oil obtained from the fruit peel of <i>Citrus reticulata</i> Blanco. Perillaldehyde: ≤ 0.063% Characterisation of the active substance	Poultry	-	-	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. The mixture of mandarin essential oil with other authorised additives obtained from <i>Citrus</i>	[to be completed by the OP: insert precise date 10 years from the date of entry into force of]
				Rabbits	-	-	33		
				Salmonids	-	-	30		

		<p>Mandarin essential oil obtained from the fruit peel of <i>Citrus reticulata</i> Blanco as defined by the Council of Europe¹.</p> <ul style="list-style-type: none"> – 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% <p>CAS number: 8008-31-9 FEMA number: 2657 CoE number: 142</p> <p>Liquid form</p> <p>Analytical method⁽²⁾</p> <p>For the quantification of <i>d-limonene</i> (phytochemical marker) in the feed additive (mandarin oil):</p> <ul style="list-style-type: none"> – Gas chromatography coupled with flame ionisation detection (GC-FID) (based on ISO 3528) 	Horses	-	-	40	<p><i>reticulata</i> Blanco shall not be allowed in feedingstuffs.</p> <p>4. 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 skin, eye and breathing protection.</p>	<i>this Regulation]</i>
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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>