

EN  
ANNEX

Identification number of the additive	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%			
<b>Category: Sensory additives. Functional group: Flavouring compounds</b>								
2b133- eo	Cinnamon bark essential oil	<b>Additive composition</b> Essential oil obtained from the bark of <i>Cinnamomum verum</i> J. Presl	Pigs for fattening	-	-	25	<ol style="list-style-type: none"> <li>1. The additive shall be incorporated into the feed in the form of a premixture.</li> <li>2. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated.</li> <li>3. This additive shall not be used in combination with other additives containing safrole, methyleugenol and styrene.</li> <li>4. For users of the additive and premixtures, feed business operators shall</li> </ol>	[to be completed by the Service responsible for the publication: insert precise date - 10 years from the date of entry into force of this Regulation]
		Liquid form	Pigs for fattening of minor Suidae	-	-	50		
		<b>Characterisation of the active substance</b>	Piglets and piglets of minor Suidae			50		
		Essential oil obtained from the bark of <i>Cinnamomum verum</i> J. Presl by steam distillation and then separated from the aqueous phase by decantation as defined by the Council of Europe <sup>1</sup> .	Cattle for fattening, sheep for fattening, minor ruminants for fattening and calves for	-	-	10		

<sup>1</sup> Natural sources of flavourings - Report No. 2 (2007)

Identification number of the additive	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%			
<b>Category: Sensory additives. Functional group: Flavouring compounds</b>								
		<u>Specifications</u> - (E)-Cinnamaldehyde: 55–75% - Eugenol: ≤ 7.5 % - β-Caryophyllene: 1.0–7.5 % - Linalool: 1.0–7.5 % - Safrole: ≤ 0.34 % - Methyleugenol: ≤ 0.04% - Styrene ≤ 0.024% - Camphor: ≤ 0.018% - Coumarin: ≤ 0.01% - Styrene: ≤ 0.024%  CAS number 8015-91-6 EINECS number: 283–479-0 FEMA number: 2291 CoE number: 133  <b>Analytical method <sup>(2)</sup></b> For the determination of (E)-cinnamaldehyde (phytochemical marker) in the feed	fattening.				establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	
		Chickens for fattening, turkeys for fattening and minor poultry for fattening	-	-	5			
		Salmonids and minor finfish except brood stock	-	-	5			
		Other minor species for fattening except Equidae	-	-	5			

<sup>2</sup> Details of the analytical methods are available at the following address of the Reference Laboratory: [https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports\\_en](https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en)

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					mg active substance/kg of complete feed with a moisture content of 12%			
<b>Category: Sensory additives. Functional group: Flavouring compounds</b>								
		additive: gas chromatography coupled with flame ionisation detection (GC-FID)						

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<b>Category: Sensory additives. Functional group: Flavouring compounds</b>								
2b133i- eo	Cinnamon leaf essential oil	<b>Additive composition</b> Essential oil obtained from the leaves of <i>Cinnamomum verum</i> J. Presl	Pigs for fattening	-	-	50	<ol style="list-style-type: none"> <li>The additive shall be incorporated into the feed in the form of a premixture.</li> <li>In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated.</li> <li>This additive shall not be used in combination with other additives containing safrole, methyleugenol and styrene.</li> </ol>	[to be completed by the Service responsible for the publication: insert precise date - 10 years from
		Liquid form	Pigs for fattening of minor Suidae	-	-	50		
		<b>Characterisation of the active substance</b>	Piglets and piglets of minor Suidae			50		

Identification number of the additive	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%			
<b>Category: Sensory additives. Functional group: Flavouring compounds</b>								
		Essential oil obtained from the leaves of <i>Cinnamomum verum</i> J. Presl by steam distillation and then separated from the aqueous phase by decantation as defined by the Council of Europe <sup>3</sup> .  <u>Specifications</u> - (E)-Cinnamaldehyde: ≤ 3% - Eugenol: 70-85% - Eugenyl acetate: 1.3–5.0 % - Benzyl benzoate: 2-4.5 % - Safrole: ≤ 0.1.09 % - Methyleugenol: ≤ 0.030% - Camphor: ≤ 0.007% - Coumarin: ≤ 0.01% - Styrene: ≤ 0.013%	Cattle and sheep for fattening and minor ruminants for fattening and calves for fattening	-	-	50	4. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal breathing, eye and skin protective equipment.	<i>the date of entry into force of this Regulation</i> ]
			Chickens for fattening and minor poultry species for fattening	-	-	40		
			Turkeys for fattening	-	-	50		

<sup>3</sup> Natural sources of flavourings - Report No. 2 (2007)

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					mg active substance/kg of complete feed with a moisture content of 12%			
<b>Category: Sensory additives. Functional group: Flavouring compounds</b>								
		CAS number 8015-91-6 EINECS number: 283-479-0 FEMA number: 2292 CoE number: 133  <b>Analytical method (4)</b> For the determination of (E)-cinnamaldehyde (phytochemical marker) in the feed additive: gas chromatography coupled with flame ionisation detection (GC-FID)	Rabbits for fattening	-	-	50		
			Salmonids and minor finfish except brood stock	-	-	25		

<sup>4</sup> Details of the analytical methods are available at the following address of the Reference Laboratory: <https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports>

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					mg active substance/kg of complete feed with a moisture content of 12%			
<b>Category: Sensory additives. Functional group: Flavouring compounds</b>								
			Other minor species for fattening except Equidae	-	-	25		