

EN

ANNEX

Identification number of the additive	Name of the 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								
2b39-eo	Citronella essential oil	Additive composition Essential oil from the leaves of <i>Cymbopogon nardus</i> (L.) Rendle Liquid form Characterisation of the active substance Citronella essential oil:	Turkeys for fattening	-	-	24,0	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 the stability to heat treatment shall be indicated. 3. The additive shall not be used in combination with	[10 years from the date of entry into force of this Regulation. To be completed by the OP]
			Chickens for fattening and minor poultry for fattening	-	-	18,0		
			All poultry reared for laying or breeding	-	-	3,5		
			Ornamental birds	-	-	3,5		
			All poultry for laying or breeding	-	-	3,5		

		<p>Essential oil, as defined by the Council of Europe¹, obtained from the leaves of <i>Cymbopogon nardus</i> (L.) Rendle by steam distillation and further condensation of volatile constituents and separation from the aqueous phase by decantation.</p> <p>CAS numbers: 8000-29-1² and 89998-15-2² EINECS: 289-753-6² FEMA number: 2308² CoE number: 39</p> <p><u>Specifications</u></p> <p>Citronellal: 3-6% Geraniol: 15-23% Citronellol: 3-8,5% Limonene: 7-11,5% (E)-Methyl isoeugenol: 7-15 % Methyleugenol: ≤ 1 %</p> <p>Analytical method³</p> <p>For the determination of citronellal (phytochemical marker) in the feed additive:</p>	Pigs for fattening	-	-	20,0	<p>other feed additives containing methyleugenol.</p> <p>4. Simultaneous use of star anise essential oil with other feed additives is permitted provided that the combined content of <i>p</i>-allylalkoxybenzenes (methyleugenol, estragole, elemicin, safrole, myristicin, dillapiole, and apiole) in feed materials and compound feed remains below the content that would result from using the authorised feed additive with the highest content of those substances at its maximum or recommended maximum content for the relevant animal species or category.</p> <p>5. For users of the additive and premixtures, feed business operators shall</p>	
			Pigs for fattening of minor <i>Suidae</i>	-	-	20,0		
			Piglets (suckling and weaned) of all <i>Suidae</i>	-	-	3,5		
			All <i>Suidae</i> for reproduction	-	-	6,0		
			Calves for fattening	6 months	-	20,0		
			Sheep and goats for fattening	-	-	20,0		
			Other sheep and goats	-	-	9,5		
			Cattle for fattening; other ruminants for fattening except sheep, goats and calves for fattening up to 6 months old; <i>Camelidae</i> for fattening	-	-	20,0		

¹Natural sources of flavourings - Report No. 2 (2007).

²Here it only refers to the essential oil from the leaves of *Cymbopogon nardus* (L.) Rendle.

³Details 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.

		- gas chromatography coupled with flame ionisation detection (GC-FID) (ISO 3849)	All other ruminants; all other <i>Camelidae</i>	-	-	6,0	establish operational procedures and organisational measures to address 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 skin, eye and breathing protective equipment.	
			<i>Equidae</i>	-	-	9,5		
			Rabbits for fattening	-	-	20,0		
			Other rabbits	-	-	3,5		
			Salmonids and minor fin fish	-	-	30,0		
			Dogs	-	-	10,0		
			Cats	-	-	2,0		
			Other species and categories	-	-	2,0		