

EN
ANNEX

Identi- fication 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 authorisa- tion
					mg of active substance / kg of complete feedingstuff with a moisture content of 12 %			
Category: Sensory additives. Functional group: Colourants. (ii) substances which, when fed to animals, add colours to food of animal origin								
2a160f	Ethyl ester of β-apo-8'-carotenoic acid;	Additive composition: Ethyl ester of β-apo-8'-carotenoic acid Triphenyl phosphine oxide (TPPO) ≥ 100 mg/kg ----- Characterisation of the active substance: Ethyl ester of β-apo-8'-carotenoic acid Chemical formula: C ₃₂ H ₄₄ O ₂ CAS number: 1109-11-1 Solid form produced by chemical	Poultry for fattening and minor poultry for fattening	-	-	– 15	<div>1. In the directions for use of the additive and premixture, the storage conditions and stability to heat treatment shall be indicated.</div> <div>2. Ethyl ester of β-apo-8'-carotenoic acid shall be placed on the market and used as an additive consisting of a preparation.</div> <div>3. Maximum residue levels are: 20 mg β-apo-8-ester/kg</div>	<div>[to be completed by the Service responsible for the publication: insert precise date]</div> <div>[10 years from the date of entry into force of this Regulation]</div>
		Laying hens and minor poultry for laying	-	-	– 5			

		<p>synthesis</p> <p>Purity criteria: $\geq 97\%$ <i>all isomers</i>.</p> <p>-----</p> <p>Analytical method</p> <p>— For the quantification of Ethyl ester of β-apo-8'-carotenoic acid in the feed additive preparation: spectrophotometry at 446 nm.</p> <p>— For the quantification of Ethyl ester of β-apo-8'-carotenoic acid in the premixtures, feedingstuffs and water: Normal Phase High Performance Liquid Chromatography coupled to visible detection (NP-HPLC-VIS, 446 nm)</p>		-	-		<p>egg yolk, 8 mg β-apo-8-ester/kg liver and 2.5 mg β-apo-8-ester/kg skin/fat.</p> <p>4. The mixture of ethyl ester of β-apo-8'-carotenoic acid with other authorised carotenoids and xanthophylls shall not exceed total carotenoids and xanthophylls of 80 mg /kg of complete feed.</p> <p>5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks resulting from its use. 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 eye skin and breathing protection.</p>	
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