

**ANNEX**

Identi- fication number of the feed additive	Name of the holder of authorisation	Additive	Composition, chemical formula, description, analytical method	Species or categor y of animal	Maxi- mum age	Minimum content	Maximum content	Other provisions	End of period of authoris ation	Maximum residues limits in the relevant foodstuffs of animal origin
						mg of active substance/kg of complete feedingstuff with a moisture content of 12 %				
Category of zootechnical additives. Functional group: other zootechnical additives (stabilisation of reproductive performance)										
4d161g	DSM Nutritional products Ltd, represented by DSM Nutritional Products Sp. z o.o.	Canthaxanthin	<b>Additive composition</b> Preparation containing minimum: 10 % of canthaxanthin; Butylated hydroxytoluene: 4,4 %. Impurities: - dichloromethane: ≤ 80 mg/kg additive. Solid form.  <b>Characterisation of the active substance</b> Canthaxanthin produced by chemical synthesis or with <i>Yarrowia lipolytica</i> CBS 146148. Chemical formula: C <sub>40</sub> H <sub>52</sub> O <sub>2</sub> CAS Number: 514-78-3 Purity: minimum 96% of total colouring matters (expressed as canthaxanthin) Carotenoids other than canthaxanthin: not more than 5% of total colouring matters.	Breeder hens	-	6	6	1. In the directions for use of the additive and premixture, indicate the storage conditions and stability to heat processing.  2. The mixture of different sources of the active substance canthaxanthin shall not exceed 6 mg canthaxanthin/kg of complete feedingstuff.  3. The mixture of this additive with other additives containing canthaxanthin and other carotenoids is allowed provided that the total concentration of the mixture does not exceed 80 mg total carotenoids/kg of complete feedingstuff.  4. For users of the additive and premixtures, feed business operators shall establish operational procedures and	10 July 2024	15 mg canthaxanthin/kg liver (wet tissue) and 2,5 mg canthaxanthin/kg skin/fat (wet tissue)

			<p><b>Analytical method <sup>(1)</sup></b></p> <p>— For the determination of canthaxanthin in the feed additive: spectrophotometry (426 nm)</p> <p>— For the determination of canthaxanthin in premixtures and feedingstuffs: Normal Phase High Performance Liquid Chromatography coupled to VIS detection (NP- HPLC- VIS, 466 nm)</p>					<p>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.</p>		
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<sup>(1)</sup> Details of the analytical methods are available at the following address of the European Union Reference Laboratory for Feed Additives:  
[www.irmm.jrc.be/eurl-feed-additives](http://www.irmm.jrc.be/eurl-feed-additives)