

ANNEX

Identifi-cation 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 authorisa-tion
					mg active substance/kg complete feed with 12 % moisture content			
Category: technological additives. Functional group: stabilisers								
1d415	Xanthan gum	Additive composition Xanthan gum prepared as the sodium, potassium or calcium salt. Solid form Purity: Loss on drying: ≤ 15 % (105 °C, 2,5 hours) Total ash: ≤ 16 % on the anhydrous basis determined at 650°C after drying at 105 °C for four hours Pyruvic acid ≤ 1,5 % Nitrogen ≤ 1,5 % Ethanol and propan-2-ol ≤ 500 mg/kg singly or in combination Characterisation of the active substance Xanthan gum (high molecular weight polysaccharide gum which contains D-	Turkeys for fattening	-	-	75	1. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 2. For users of the additive and premixtures, feed business operators shall 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 eye and breathing protective equipment.	<i>[to be completed by the Service responsible for the publication: insert precise date]</i> [10 years from the date of entry into force of this Regulation]
			Chickens for fattening or reared for laying or for reproduction	-	-	56		
			Minor poultry for fattening or reared for laying or for reproduction	-	-			
			Ornamental birds	-	-			
			Poultry for laying or for reproduction	-	-	83		
			Piglets of porcine species	-	-	100		

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					mg active substance/kg complete feed with 12 % moisture content				
Category: technological additives. Functional group: stabilisers									
		<p>glucose and D-mannose as the dominant hexose units, along with D-glucuronic acid and pyruvic acid), produced with <i>Xanthomonas campestris</i> ATCC SD 7012 or DSM 23730 or CNCM I-4861 or CIP 74.23.</p> <p>Xanthan gum yields, on dried basis, not less than 4,2 % and not more than 5 % of CO₂ corresponding to between 91 % and 108 % of xanthan gum</p> <p>CAS No: 11138-66-2</p> <p>Analytical method¹</p> <p>For the characterisation of Xanthan gum (feed additive):</p> <ul style="list-style-type: none"> - FAO JECFA Monograph Xanthan gum, as referred in Commission Regulation (EU) 231/2012 	<p>Porcine species for fattening</p> <p>Sows of porcine species</p> <p>Veal calves (milk replacer)</p> <p>Ovines and caprines</p> <p>Ruminants (other than ovines and caprines) and camelids for fattening or reared for milk production or for reproduction</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p>	<p>120</p> <p>146</p> <p>233</p> <p>220</p>			

¹ 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.

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Category: technological additives. Functional group: stabilisers									
			Ruminants (other than ovines and caprines) and camelids for milk production or for reproduction	-	-	143			
			Equids	-	-	220			
			Leporids	-	-	88			
			Other species (with the exception of cats, dogs and aquatic species)	-	-	56			

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					mg active substance/kg complete feed with 12 % moisture content				
Category: technological additives. Functional group: thickeners									
1d415	Xanthan gum	Additive composition Xanthan gum prepared as the sodium, potassium or calcium salt. Solid form Purity: Loss on drying: ≤ 15 % (105 °C, 2,5 hours) Total ash: ≤ 16 % on the anhydrous basis determined at 650 °C after drying at 105 °C for four hours Pyruvic acid ≤ 1,5 % Nitrogen ≤ 1,5 % Ethanol and propan-2-ol ≤ 500 mg/kg singly or in combination Characterisation of the active substance Xanthan gum (high molecular weight polysaccharide gum which contains D-glucose and D-mannose as the dominant hexose units, along with D-glucuronic acid and pyruvic acid), produced with <i>Xanthomonas campestris</i> ATCC SD 7012	Turkeys for fattening	-	-	75	3. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated. 4. For users of the additive and premixtures, feed business operators shall 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 eye and breathing protective equipment.	<i>[to be completed by the Service responsible for the publication: insert precise date]</i> <i>[10 years from the date of entry into force of this Regulation]</i>	
			Chickens for fattening or reared for laying or for reproduction	-	-	56			
			Minor poultry for fattening or reared for laying or for reproduction	-	-	83			
			Ornamental birds	-	-	100			
			Poultry for laying or for reproduction	-	-	120			
			Piglets of porcine species	-	-	100			
			Porcine species for fattening	-	-	120			

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Category: technological additives. Functional group: thickeners								
		or DSM 23730 or CNCM I-4861 or CIP 74.23. Xanthan gum yields, on dried basis, not less than 4,2 % and not more than 5 % of CO ₂ corresponding to between 91 % and 108 % of xanthan gum CAS No: 11138-66-2 Analytical method² For the characterisation of Xanthan gum (feed additive): - FAO JECFA Monograph Xanthan gum, as referred in Commission Regulation (EU) 231/2012	Sows of porcine species Veal calves (milk replacer) Ovines and caprines Ruminants (other than ovines and caprines) and camelids for fattening or reared for milk production or for reproduction	-	-	146 233 220		

² 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.

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			Leporids	-	-	88			
			Other species (with the exception of cats, dogs and aquatic species)	-	-	56			