

ANNEX

| Identi- fication 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 | 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 | | |
| | | Characterisation of the active substance Xanthan gum (high molecular weight polysaccharide gum which contains D- | Piglets of porcine species | - | - | 100 | | |

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| | | | | | mg active substance/kg complete feed with 12 % moisture content | | | |
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| | | 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. 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 method¹ For the characterisation of Xanthan gum (feed additive): - FAO JECFA Monograph Xanthan gum, as referred in Commission Regulation (EU) 231/2012 | Porcine species for fattening | - | - | 120 | | |
| | | | Sows of porcine species | - | - | 146 | | |
| | | | Veal calves (milk replacer) | - | - | 233 | | |
| | | | Ovines and caprines | - | - | 220 | | |
| | | | Ruminants (other than ovines and caprines) and camelids for fattening or reared for milk production or for reproduction | | | | | |

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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| | | | | | mg active substance/kg complete feed with 12 % moisture content | | | |
| 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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| Category: technological additives. Functional group: thickeners | | | | | | | | |
| 1d415 | Xanthan gum | Additive composition Xanthan gum prepared as the sodium, potassium or calcium salt. | 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> [10 years from the date of entry into force of this Regulation] |
| | | Solid form | Chickens for fattening or reared for laying or for reproduction | - | - | 56 | | |
| | | Purity: | Minor poultry for fattening or reared for laying o for reproduction | | | | | |
| | | Loss on drying: ≤ 15 % (105 °C, 2,5 hours) | Ornamental birds | | | | | |
| | | Total ash: ≤ 16 % on the anhydrous basis determined at 650 °C after drying at 105 °C for four hours | Poultry for laying or for reproduction | - | - | 83 | | |
| | | Pyruvic acid ≤ 1,5 % | Piglets of porcine species | - | - | 100 | | |
| | | Nitrogen ≤ 1,5 % | Porcine species for fattening | - | - | 120 | | |
| | | 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 | | | | | | |

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| | | or DSM 23730 or CNCM I-4861 or CIP 74.23. | Sows of porcine species | - | - | 146 | | |
| | | 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 | Veal calves (milk replacer) | - | - | 233 | | |
| | | 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 | Ovines and caprines Ruminants (other than ovines and caprines) and camelids for fattening or reared for milk production or for reproduction | - | - | 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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