

ANNEX

Identi- fication number of the feed 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/kg of complete feed with 12 % moisture content			
Category: nutritional additives. Functional group: amino acids, their salts and analogues								
3c401	L-tyrosine	Additive composition Powder with a minimum L-tyrosine content of 95 % Characterisation of the active substance L-tyrosine produced by hydrolysis of keratin from poultry feathers CAS number: 60-18-4 Chemical formula: C ₉ H ₁₁ NO ₃ Analytical method¹ For the identification of L-tyrosine in the feed additive: - Specific optical rotation, European Pharmacopoeia monograph 1161 For the determination of tyrosine in the feed additive:	All animal species	-	-	-	1. In the directions for use of the additive and premixtures, the storage conditions and the stability to heat treatment shall be indicated. 2. The instructions of use shall include a recommendation that the content of L-tyrosine does not exceed 5 g/kg complete feed with a moisture content of 12 % for food-producing animals and 15 g/kg complete feed with a moisture content of 12 % for non food-producing animals. 3. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks resulting	[10 years from the date of entry into force of this Regulation. To be completed by the OP]

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: nutritional additives. Functional group: amino acids, their salts and analogues								
		<div>- Titrimetry, European Pharmacopoeia monograph 1161</div> <div>For the determination of tyrosine in premixtures and compound feed:</div> <div>- Ion-exchange chromatography coupled with post-column derivatisation and optical detection (IEC-VIS), Commission Regulation (EC) No 152/2009²</div>					from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal skin and breathing protective equipment.	

² Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed (OJ L 54, 26.2.2009, p. 1).