

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								
3c443	L-tryptophan	Additive composition L-tryptophan ≥ 98 % (on a dry matter basis) Solid form Maximum content of 10 mg/kg 1,1'-ethylidene-bis-L-tryptophan (EBT) Characterisation of the active substance L-tryptophan produced with <i>Corynebacterium glutamicum</i> KCCM 80346 IUPAC name: (2S)-2-amino-3-(1H-indol-3-yl) propanoic acid Chemical formula: C ₁₁ H ₁₂ N ₂ O ₂ CAS number: 73-22-3 Analytical method¹ For the determination of tryptophan in the feed additive and premixtures:	All animal species	-	-	-	<ol style="list-style-type: none">1. In the directions for use of the additive and premixtures, the storage conditions, the stability to heat treatment and in water shall be indicated.2. The additive may be used via water for drinking.3. Feed business operators shall ensure that L-tryptophan is rumen protected, when fed to ruminants.4. The moisture content shall be indicated on the label of the additive.5. The labelling of the additive and premixtures shall indicate the following: ‘The supplementation with L-tryptophan, in particular via water for drinking, shall take into account all essential and conditionally essential amino acids in order to avoid imbalances.’	[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>- High performance liquid chromatography with fluorescence detection (HPLC-FLD) - EN ISO 13904</div> <div>For the determination of tryptophan in compound feed:</div> <div>- High performance liquid chromatography with fluorescence detection (HPLC-FLD), Commission Regulation (EC) No 152/2009</div>					6. 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 breathing protective equipment.	