ANNEX

Identi-	Additive	Composition, chemical formula, description, analytical method	Specie s or catego ry of animal	Maxi mum age	Minimum content	Maximu m content		End of	
fication number of the additive					mg of active substance/kg of complete feedingstuff with a moisture content of 12%		Other provisions		period of authorisa- tion
Category	of nutritional a	dditives. Functional group: vitamins, pro-vitamins and	chemicall	y well-def	ined substanc	es having sim	ilar	effect	
3a841	"Calcium D-panthotenate" or "vitamin B ₅ "	Additive composition Calcium D-pantothenate. Characterisation of the active substance Calcium D-pantothenate Chemical formula: Ca[C9H16NO5]2 CAS number: 137-08-6 Calcium D-pantothenate, solid form, produced by chemical synthesis. Purity criteria: 1. Min. 98 % (on dry basis); 2. Max. 0,5 % 3-aminopropionic acid. Analytical method 1 - For the determination of Calcium D-pantothenate in the feed additive: potentiometric titration with perchloric acid and identification by specific optical rotation (European Pharmacopoeia Monograph 0470); - For the determination of Calcium D-pantothenate in water, premixtures and compound feed: High Performance Liquid Chromatography coupled to mass spectrometry (HPLC-MS).	All animal species	-	-	-	1. 2. 3.	The additive may be used via water for drinking. The directions for use of the additive and premixtures shall indicate the storage conditions, the stability to heat treatment and the stability in water for drinking. 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.	[10 years from the date of entry into force of this Regulation. To be completed by the OP]

¹Details 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.

Identi- fication number of the additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maxim um age	Minimum content mg of active substance/kg of complete feedingstuff with a moisture content of 12%		Other provisions		End of period of authorisa- tion
Category 3a842	of nutritional add "D- Panthenol" or "vitamin B ₅ "	Additive composition D-Panthenol Characterisation of the active substance D-Panthenol Chemical formula: C9H19NO4 CAS number: 81-13-0 D-Panthenol, liquid form, produced by chemical synthesis. Purity criteria: 1. Min. 98 % on anhydrous basis (water < 1 %) 2. Max. 0,5 % 3-aminopropionic acid. Analytical method ² — For the determination of D- panthenol in the feed additive: titration with perchloric acid and potassium hydrogen phthalate and identification by specific optical rotation and infrared spectroscopy (European Pharmacopoeia monograph 0761). — For the determination of D- panthenol in water: Reverse Phase High-Performance Liquid Chromatography, coupled to UV detector (RP-HPLC-UV).	All animal species	ined substa	res having sin		1. 2. 3.	The additive may be used via water for drinking. The directions for use of the additive and premixtures shall indicate the storage conditions, the stability to heat treatment and the stability in water for drinking. 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 skin, eye and breathing protective equipment.	[10 years from the date of entry into force of this Regulation. To be completed by the OP]

²Details 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.