

ANNEX

Identification number of the 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 authorisation
					mg of active substance/kg of complete feedingstuff with a moisture content of 12%			
Category of nutritional additives. Functional group: vitamins, pro-vitamins and chemically well-defined substances having similar effect								
3a837	'Cyanocobalamin' or 'Vitamin B ₁₂ '	<p>Additive composition Preparation with ≤ 1% of cyanocobalamin Nickel: maximum 0.5 mg/kg Solid form</p> <p>Characterisation of active substance Cyanocobalamin Chemical formula: C₆₃H₈₈CoN₁₄O₁₄P CAS number: 68-19-9 Purity: minimum 96% Produced by fermentation with <i>Ensifer adhaerens</i> CGMCC 21299</p> <p>Analytical method¹ For the quantification of cyanocobalamin (vitamin B₁₂) in the feed additive preparation and in compound feed: reversed phase high performance liquid chromatography coupled to spectrophotometric detection (HPLC-UV).</p>	All animal species	-	-	-	<p>1. In the directions for use of the additive and premixtures, the storage conditions, the stability to heat treatment shall be indicated.</p> <p>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 breathing, eye and skin protective equipment.</p>	<i>[10 years from the date of entry into force of this Regulation. To be completed by the OP]</i>

¹ Details of the analytical methods are available at the following address of the Reference Laboratory: <https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports>.