

ANNEX

Identi- fication number of the additive	Name of the holder of authorisation	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authori- sation
						Units of activity /kg of complete feedingstuff with a moisture content of 12%			
Category of zootechnical additives. Functional group: digestibility enhancers									
4a29	Elanco GmbH	Endo-1,4-beta-mannanase EC 3.2.1.78	Additive composition: Preparation of endo-1,4-beta-mannanase produced by <i>Paenibacillus lentus</i> (DSM 28088) having a minimum activity of: -1,6x10 ⁸ U ¹ /g solid form; - 5.9x10 ⁸ U/g liquid form. Characterisation of the active substance: endo-1,4-beta-mannanase produced by <i>Paenibacillus lentus</i> (DSM 28088) Analytical methods² For the quantification of endo-1,4-beta-mannanase in the feed additive, premixtures and feedingstuffs: colorimetric methods based on enzymatic hydrolysis and the reaction of reducing sugars (mannose equivalent) with 3,5-dinitrosalicylic acid (DNS)	Chickens for fattening	-	32 000 U	-	1. In the directions for use of the additive and premixtures, indicate the storage conditions and stability to pelleting 2. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks to their use. Where those	[To be completed by the Service responsible for the publication: insert precise date 10 years from the date of entry into force of this Regulation]
				Chickens reared for laying					
				Minor poultry species other than laying birds	48 000 U				
				Turkeys for fattening					
				Turkeys reared for breeding					

¹ 1 U is the amount of enzyme which liberates 0.72 micrograms of reducing sugars (mannose equivalents) from a mannan-containing substrate (locust bean gum) per minute at pH 7.0 and 40 °C.

² Details of the analytical methods are available at the following address of the Reference Laboratory for Feed Additives: <https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports>

				Weaned piglets		48 000 U		risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment including skin and breathing protections.	
				Pigs for fattening Minor porcine species for fattening		32 000 U			