

EN

ANNEX

Identification 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 authorisation
						Units of activity /kg of complete feedingstuff with a moisture content of 12%			
Category of zootechnical additives. Functional group: other zootechnical additives (improvement of the feed to gain ratio)									
4d16	DSM Nutritional Products Ltd. represented in the EU by Novozymes A/S	Muramidase (EC 3.2.1.17)	<p>Additive composition</p> <p>Preparation of muramidase (EC 3.2.1.17) (lysozyme) produced by <i>Trichoderma reesei</i> (DSM 32338) having a minimum activity of 60 000 LSU(F)/g¹</p> <p>Solid and liquid forms</p> <p>-----</p> <p>Characterisation of the active substance</p> <p>Muramidase (EC 3.2.1.17) (lysozyme) produced by <i>Trichoderma reesei</i> (DSM 32338)</p> <p>-----</p> <p>Method of analysis²</p> <p>For the quantification of muramidase:</p> <ul style="list-style-type: none">- Fluorescence-based enzyme assay method that determines the enzyme-catalyzed depolymerisation of a fluorescein-labelled peptidoglycan preparation at pH 6.0 and 30 °C.	Chickens for fattening and minor poultry species for fattening	-	25 000 LSU(F)	-	<p>1. In the directions for use of the additive and premixtures, the storage conditions and 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 from their use. Where those 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.</p>	[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]

¹ One LSU(F) unit is defined as the amount of enzyme that increases the fluorescence of 12.5 µg/ml fluorescein-labelled peptidoglycan per minute at pH 6.0 and 30 °C by a value that corresponds to the fluorescence of approximately 0.06 nmol fluorescein isothiocyanate isomer I.

² 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>.