

ANNEX

Identification number of the additive	Name of the holder of authorisation	Additive	Chemical formula, analytical method	Species, category, animal method	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: digestibility enhancers									
4a22	Adisseo France S.A.S.	Endo-1,4-beta-xylanase EC 3.2.1.8 and Endo-1,3(4)-beta-glucanase EC 3.2.1.6	<i>Additive composition</i> Preparation of endo-1,4-beta-xylanase (EC 3.2.1.8) and endo-1,3(4)-beta-glucanase (EC 3.2.1.6) produced by <i>Talaromyces versatilis</i> sp. nov. IMI CC 378536 and <i>Talaromyces versatilis</i> sp. nov. DSM 26702 having a minimum activity of:	Turkeys for fattening of Turkeys reared for breeding	—	endo-1,4-beta-xylanase 1 100 VU endo-1,3(4)-beta-glucanase 760 VU	—	1. 2.	31 December 2025 directions for use of the additive and premixture, indicate the storage conditions and stability to pelleting. For safety: breathing protection, glasses and gloves shall be used during handling.

a 1 VU (viscosimetry unit) is the amount of enzyme which hydrolyses the substrate (barley betaglucan and wheat arabinoxylan, respectively), reducing the viscosity of the solution, to give a change in relative fluidity of 1 (dimensionless unit)/min at 30 °C and pH 5,5.

b 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>

Status: This is the original version (as it was originally adopted).

		—	solid form: endo-1,4-beta-xylanase 22 000 VU ^a /g and endo-1,3(4)-beta-glucanase 15 200 VU/g; liquid form: endo-1,4-beta-xylanase activity of 5 500 VU/ml and endo-1,3(4)-beta-glucanase 3 800 VU/ml.				
			<i>Characterisation of the active substance</i> Endo-1,4-beta-xylanase (EC 3.2.1.8) and endo-1,3(4)-beta-				

a 1 VU (viscosimetry unit) is the amount of enzyme which hydrolyses the substrate (barley betaglucan and wheat arabinoxylan, respectively), reducing the viscosity of the solution, to give a change in relative fluidity of 1 (dimensionless unit)/min at 30 °C and pH 5,5.

b 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>

		<p>glucanase (EC 3.2.1.6) produced by <i>Talaromyces versatilis</i> sp. nov. IMI CC 378536 and <i>Talaromyces versatilis</i> sp. nov. DSM 26702. <i>Analytical method^b</i> For the quantification of endo-1,4- beta- xylanase activity: —</p> <p>viscosimetric method based on decrease in viscosity produced by action of endo-1,4- beta- xylanase on the xylan containing substrate (wheat arabinoxylan).</p> <p>For the quantification</p>				
--	--	--	--	--	--	--

a 1 VU (viscosimetry unit) is the amount of enzyme which hydrolyses the substrate (barley betaglucan and wheat arabinoxylan, respectively), reducing the viscosity of the solution, to give a change in relative fluidity of 1 (dimensionless unit)/min at 30 °C and pH 5,5.

b 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>

Status: This is the original version (as it was originally adopted).

		of endo-1,3(4)- beta- glucanase activity: —	viscosimetric method based on decrease in viscosity produced by action of endo-1,3(4)- beta- glucanase on the glucan substrate barley betaglucan at pH = 5,5 and 30 °C.			
a	1 VU (viscosimetry unit) is the amount of enzyme which hydrolyses the substrate (barley betaglucan and wheat arabinoxylan, respectively), reducing the viscosity of the solution, to give a change in relative fluidity of 1 (dimensionless unit)/min at 30 °C and pH 5,5.					
b	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					