



EUROPEAN
COMMISSION

Brussels, **XXX**
SANTE/12707/2015 ANNEX CIS
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ANNEX CIS.doc)
[...](2015) **XXX** draft

ANNEX 1

ANNEX

to the

COMMISSION IMPLEMENTING REGULATION (EU) .../...

**amending Commission Implementing Regulation (EU) No 237/2012 as regards the
authorisation of a new form of the preparation of alpha-galactosidase (EC 3.2.1.22)
produced by *Saccharomyces cerevisiae* (CBS 615.94) and endo-1,4-beta-glucanase (EC
3.2.1.4) produced by *Aspergillus niger* (CBS 120604) (holder of authorisation Kerry
Ingredients and Flavours)**

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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	Maximu m 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									
4a17	Kerry ingredients and flavors	Alpha- galactosidase EC 3.2.1.22 Endo-1,4-beta- glucanase EC 3.2.1.4	Additive composition Preparation of alpha-galactosidase (EC 3.2.1.22) produced by <i>Saccharomyces cerevisiae</i> (CBS 615.94) and endo-1,4-beta-glucanase (EC 3.2.1.4) produced by <i>Aspergillus niger</i> (CBS 120604) with a minium activiy of: Solid form - 1000 U ¹ alpha-galactosidase/g - 5700 U ² endo-1,4- beta-glucanase/g Liquid form - 500 U alpha-galactosidase/g - 2850 U endo-1,4- beta-glucanase/g. ----- Characterisation of the active substance Alpha-galactosidase produced by <i>Saccharomyces cerevisiae</i> (CBS 615.94) Endo-1,4-beta-glucanase produced by <i>Aspergillus niger</i> (CBS 120604). ----- Method of Analysis ³ Determination: - colorimetric method measuring p-nitrophenol released by action of alpha-galactosidase from p-nitrophenyl-alpha-	Chickens for fattening	-	50 U alpha- galactosidase 285 U endo- 1,4-beta- glucanase	-	1. In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting. 2. Maximum recommended dose: - 100 U alpha- glucanase/kg; - 570 U endo-1,4- beta- glucanase/kg. 3. For safety: breathing protection glasses and gloves shall be used during handling.	9 April 2022

¹ 1 U is the amount of the enzyme which liberates 1 µmol of p-nitrophenol per minute from p-nitrophenyl-alpha-galactopyranoside (pNPG) at pH 5.0 and 37°C.

² 1 U is the amount of the enzyme which liberates 1 mg of reducing sugar (glucose equivalent) per minute from beta-glucan at pH 5.0 and 50°C.

³ 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>

			<div>galactopyranoside substrate; - colorimetric method measuring water soluble dye released by action of endo-1,4- beta-glucanase from azurine-crosslinked barley glucan substrate.”</div>						
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