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DRAFT

COMMISSION IMPLEMENTING DECISION

of **XXX**

authorising an extension of use of yeast beta-glucans as a novel food ingredient under Regulation (EC) No 258/97 of the European Parliament and of the Council

ANNEX I

SPECIFICATIONS OF YEAST (*SACCHAROMYCES CEREVISIAE*) BETA-GLUCANS

Description

Beta-glucans are complex, high molecular mass (100–200 kDa) polysaccharides, found in the cell wall of many yeasts and cereals. The chemical name for ‘yeast beta-glucans’ is (1-3), (1-6)- β -D-glucans.

Beta-glucans consist of a backbone of β -1-3-linked glucose residues that are branched by β -1-6-linkages, to which chitin and mannoproteins are linked by β -1-4-bonds.

This novel food is a high purified (1,3)-(1,6)- β -D-glucan isolated from yeast *Saccharomyces cerevisiae*, insoluble in water, but dispersible in many liquid matrices.

Specifications of yeast (*Saccharomyces cerevisiae*) beta-glucans

Parameter	Specifications values
Solubility	Insoluble
Chemical data	
(1,3)-(1,6)- β -D-Glucan	> 80%
Ash	< 2%
Moisture	< 6%
Protein	< 4%
Total fat	< 3%
Microbiological data	
Total plate count	< 1000 CFU/g
Enterobacteriaceae	< 100 CFU/g
Total coliforms	< 10 CFU/g
Yeast	< 25 CFU/g
Mould	< 25 CFU/g
<i>Salmonella</i> ssp.	Absent in 25 g
<i>Escherichia coli</i>	Absent in 1 g
<i>Bacillus cereus</i>	< 100 CFU/g
<i>Staphylococcus aureus</i>	Absent in 1 g

Heavy metals	
Lead	< 0.2 mg/g
Arsenic	< 0.2 mg/g
Mercury	< 0.1 mg/g
Cadmium	< 0.1 mg/g

ANNEX II

AUTHORISED USES OF PURE BETA-GLUCANS FROM YEAST (*SACCHAROMYCES CEREVISIAE*)

Food category	Maximum level of yeast beta-glucans
Food supplements as defined in Directive 2002/46/EC, excluding food supplements for infants and young children	1.275 g/day for children older than 12 years and general adult population 0.675 g/day for children younger than 12 years
Total diet replacement for weight control as defined in Regulation (EU) No 609/2013	1.275 g/day
Food for special medical purposes as defined in Regulation (EU) No 609/2013, excluding food for special medical purposes intended for infants and young children	1.275 g/day
Beverages based on fruit and/or vegetable juices including concentrate and dehydrated juices	1.3 g/kg
Fruit-flavoured drinks	0.8 g/kg
Other beverages	0.8 g/kg (RTD)
Cocoa beverages preparation powder	38.3 g/kg (powder)
Cereal bars	6 g/kg
Breakfast cereals	15.3 g/kg
Wholegrain and high fibre instant hot breakfast cereals	1.5 g/kg
Cookie-type biscuits	2.2 g/kg
Cracker-type biscuits	6.7 g/kg
Milk based beverages	3.8 g/kg
Fermented milk products	3.8 g/kg
Milk and milk product imitates	3.8 g/kg
Dried milk/milk powder	25.5 g/kg
Soup and soup mixes	0.9 g/kg (RTE) 1.8 g/kg (condensed) 6.3 g/kg (powder)

Chocolate and confectionary	4 g/kg
Protein bars and powder	19.1 g/kg
Jam, marmalade and other fruit spreads	11.3 g/kg

Abbreviations: RTD = ready to drink; RTE = ready to eat