



Product Specification Beerzym BG

Product:	Beerzym BG
Description:	Beerzym BG is a thermostable fungal β -glucanase for the glucan degradation in brewing mash.
Appearance:	Honey yellow liquid
Smell:	Typical
Biological origin:	Talaromyces emersonii *
Activity:	β -glucanase Activity: min. 1100 Barley-U/ml according to Erbslöh method EINECS number: 263-462-4 IUB number: 3.2.1.6 CAS number: 62213-14-3
Application:	For glucan degradation in brewing mash.
Production method:	Controlled fermentation with natural raw materials by adding selected nutrients, all substances in food quality. After fermentation, the enzyme solution is centrifuged off from mycelium, separated, concentrated, stabilized and/or preserved, filtrated, formulated and standardized.
Composition:	Water, beta-Glucanase, Sodium benzoate 0.2 %.
Standardization agent:	None added
Stabilisation agent:	None added
Preservative:	Benzoic acid, food quality



Purity:	Beerzym BG complies with the general specifications for food enzymes**.
	<u>Chemical purity:</u>
	Arsenic (As): < 3 ppm
	Lead (Pb): < 5 ppm
	Total heavy metals: < 30 ppm, calculated as Pb
	<u>Microbiological purity:</u>
	Total viable count < 5 x 10 ⁴ / g
	Coliforms: < 30 / g
	E coli: absent in 25 g
	Salmonella: absent in 25 g
	Antibacterial activity: negative in test
	Mycotoxins: negative in test
Production and quality control:	Carried through by Erbslöh quality assurance laboratory according to AMFEP***.
Control of activity:	Carried through by Erbslöh quality assurance laboratory according to Erbslöh test methods.
Storage:	Cool storage at 0-10 °C.
Storage stability:	Max. 10 % loss of activity within 12 months, if stored at recommended storage conditions.

- * see AMFEP: www.amfep.org: Enzymes: List of enzymes
- ** see FCC IV: As published by JECFA (Joint Expert Committee for Food Additives) of the FAO/WHO and within the FCC IV (Food Chemical Codex IV)
- *** see AMFEP: www.amfep.org: Publications: General Aspects of Microbial Food Enzymes, Good Manufacturing Practice in Microbial Food Enzyme Production