



TDS-2025

No.: TDS2025010501

Yeast Beta Glucan >80%

Chemical Properties

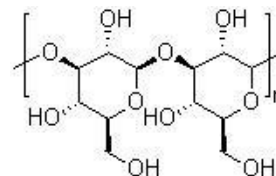
Botanical Name: *Saccharomyces cerevisiae*

Synonym: Yeast beta-(1,3)-D-Glucan, Yeast beta-(1,3)(1,6)-D-Glucan,
Yeast beta-1,3/1,6-D-Glucan, Yeast Beta Glucan,
Yeast β - Glucan

Chemical Formula: $[C_6H_{10}O_5]_n$

Molecular Weight: $(470.42)_n$

CAS: 9012-72-0



Description

Yeast Beta Glucan is a special polysaccharide derived from the cell walls of baker's yeast (*Saccharomyces cerevisiae*). It is a polysaccharide exists in the yeast cell wall and has the functions of immunity enhancing, blood lipids improving, anti-radiation and intestinal functions improvement.

Solubility

It's not soluble in water , comply with EU 2017-2470 Insoluble form

Specification (insoluble form:)

Item	Specification	Test Method
Appearance	light yellow to dark bronze appearance	Visual
Odor& Taste	Characteristic	Organoleptic
Total carbohydrates	Min 80%	GB 5009.7-2016
Assay(Beta-1,3/1,6-D Glucan)	Min 80%	HPLC (QB/T 4572-2021)
Protein	Max 3.5%	GB 5009.5-2010
Impurities	No visible impurities	In-house
Sieve Analysis	Min 98% pass 150 mesh	150mesh screen
Moisture	Max 6%	GB 5009.3
Fat	Max 10%	GB 5009.6-2016
Ash	Max 3.0%	GB 5009.4

Heavy metals

Lead	Max 0.2 ppm	GB 5009.12-2017
Arsenic	Max 0.2 ppm	GB 5009.11-2014
Mercury	Max 0.1 ppm	GB 5009.17-2014
Cadmium	Max 0.1 ppm	GB 5009.15-2014

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Microbiological data

Total Plate Count	Max 1,000 cfu/g	GB/T5009.11-2003
Enterobacteriaceae	Max 100 cfu/g	GB 4789.41-2016
Yeast	Max 25 cfu/g	GB 4789.15-2016
Mold	Max 25 cfu/g	GB 4789.15-2010
Total coliforms	Max 10 cfu/g	GB 4789.15-2010
<i>Escherichia coli</i>	Negative/1g	GB 4789.38-2012
Salmonella	Negative/25g	GB/T4789.38-2008
Staphylococcus aureus	Negative/1g	GB 4789.10-2016
Bacillus cereus	< 100 cfu/g	GB 4789.14-2014
Listeria	Negative/25g	GB 4789.30-2016

Regulatory Information

As a novel food ingredient, comply to Regulation (EU) 2017/2740 and (EU) 2017/2078
GMO Status:Non GMO

Ingredients

Min 80% Beta-1,3/1,6-D- Glucan
(Beta-glucans consist of a backbone of β -1-3-linked glucose residues that are branched by β -1-6-linkages)

Functions

improve the immune system

Applications

Supplements; Food

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, alkalis.

Packaging, Storage & Shelf Life

Package	25kg/drum
Storage	temperature no higher than 35°C humidity no higher than 75% protected from the strong direct sunlight
Shelf life	3 years with an unbroken seal and stored properly.