

TECHNICAL DATA SHEET

Yestcan™ Yeast Beta-D Glucan

85%

Chemical Properties

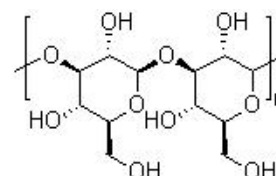
Botanical Name: *Saccharomyces cerevisiae*

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 D Glucan, Yeast β-D Glucan

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

Molecular Weight: (470.42)n

CAS: 9051-09-2



Description

Yeast beta-D Glucan, also called Yeast beta -(1,3) -D- Glucan is a special polysaccharide derived from the cell walls of baker's yeast (*Saccharomyces cerevisiae*). It is widely accepted now that the beta-D-Glucan purified from yeast is the most potent anti-infective immunomodulator among all species of beta-(1,3)-Glucans. This product is food grade.

Solubility

It's not soluble in water, but absorbing moisture easily.

Specification

Item	Specification	Test Method
Appearance	Light yellow to gray powder	Visual
Odor& Taste	Characteristic	Organoleptic
Assay(Beta-1,3/1,6-D Glucan)	Min 85%	HPLC
Protein	Max 3.5%	GB 5009.5-2010
Impurities	No visible impurities	In-house
Sieve Analysis	Min 98% pass 100 mesh	100mesh screen
Loss on Drying	Max 5%	5g/100°C/2.5hrs
Ash	Max 3.5%	2g/525°C/3hrs
Heavy Metal	Max 10.0ppm	GB 5009.74-2014
Lead	Max 1.0ppm	GB 5009.12-2017
Arsenic	Max 1.0ppm	GB 5009.11-2014
Mercury	Max 0.2ppm	GB 5009.17-2014
Cadmium	Max 0.5ppm	GB 5009.15-2014
Pesticides Residues	Max 1.0ppm	GC
Total Plate Count	Max 1,000cfu/g	GB/T5009.11-2003
Yeast & Mold	Max 100cfu/g	GB 4789.15-2016
<i>E. Coli.</i>	Negative/g	GB 4789.38-2012

<i>Salmonella spp.</i>	Negative/25g	GB/T4789.38-2008
<i>Staphylococcus aureus</i>	Negative/0.1g	GB4789.10
<i>Clostridium spp.</i>	Negative/0.1g	In-house

Regulatory Information

GMO Status: Non GMO

Ingredients

Min 85% Beta-1,3/1,6-D Glucan

Labeling

In the United States and the European Union: Yeast β -D Glucan 85%

Functions

- 1) It can improve the immune system and anti-fatigue. And it also has the ability to shrink tumors and protect liver function.
- 2) It can also preserve the vigor, strengthen the physique, have a rosy complexion, prolong life, and curing the consumptive disease.

Applications

Pharmaceutical; Food; Cosmetics.

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 recommendations

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 incompatible substances such as oxidizing agents, acids, alkalis.

Packaging, Storage & Shelf Life

Package	25kg/drum; or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf life	2 years if sealed and stored properly.