

## TECHNICAL DATA SHEET

# Yestcan™ Yeast Beta-D Glucan

## 90%

### Chemical Properties

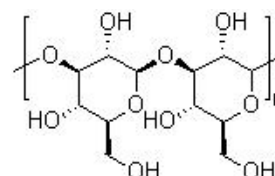
Botanical Name: *Saccharomyces cerevisiae*

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.

### 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 90%	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 2.0ppm	GB 5009.12-2017
Arsenic	Max 1.0ppm	GB 5009.11-2014
Mercury	Max 0.2ppm	GB 5009.17-2014
Cadmium	Max 1.0ppm	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	GB 4789.38-2012
<i>Salmonella</i>	Negative	GB/T4789.38-2008

## Regulatory Information

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GMO Status: Non GMO

## Ingredients

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Min 90% Beta-1,3/1,6-D Glucan

## Labeling

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In the United States and the European Union: Yeast  $\beta$ -D Glucan 90%

## Functions

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- 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

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Pharmaceutical; Food; Cosmetics.

## Safety

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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

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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 such as oxidizing agents, acids, alkalis.

## Packaging, Storage & Shelf Life

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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.