

## TECHNICAL DATA SHEET

# Yestcan™ Yeast Beta-D Glucan

## 20% Feed Grade

### Chemical Properties

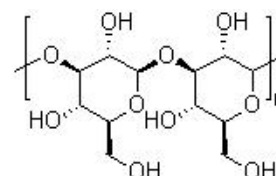
Botanical Name: *Saccharomyces cerevisiae*

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 *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	Yellow or brown powder	Visual
Odor& Taste	Characteristic aroma of beer yeast	Organoleptic
Assay(Beta-1,3/1,6-D Glucan)	Min 20%	HPLC
Mannan oligosaccharide	Min 18%	HPLC
Protein	Max 35.0%	GB 5009.5
Moisture	Max 8.0%	GB 5009.3
Ash	Max 8.0%	GB 5009.4
Lead	Max 5.0ppm	GB 5009.12
Arsenic	Max 5.0ppm	GB 5009.11
Melamine	Negative	In-house
Total Plate Count	Max $2.0 \times 10^6$ cfu/g	GB 4789.2
Coliforms	Max 30.0MPN/100g	GB 4789.3
Mould	Max $1.0 \times 10^4$ cfu/g	GB 4789.15
<i>Salmonella</i>	Negative	GB 4789.4

### Ingredients

Min 20% Beta-1,3/1,6-D Glucan

## Labeling

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In the United States and the European Union: Yeast  $\beta$ -D Glucan 20% Feed Grade

## Applications

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It is used as feed.

## 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/bag; 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.