

TECHNICAL DATA SHEET

Yestcan™ Yeast Beta-D Glucan

80%

Chemical Properties

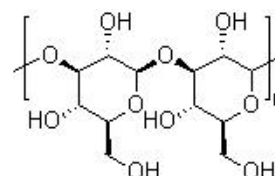
Botanical Name: *Saccharomyces cerevisiae*

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 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. The taste of the product is not bitter.

Solubility

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

Specification

Item	Specification	Test Method
Appearance	Light yellow to brown powder	By sensory
Odor	Typical smell of the product	By sensory
Assay(Beta-1,3/1,6-D Glucan)	Min 80%	In-house
Particle Size	Min 98% through 80 mesh	In-house
Moisture	Max 6.0%	AOAC 943.45A
Ash	Max 3.0%	AOAC 942.05
Protein	Max 3.5%	AOAC 990.03
Fat	Max 10%	AOAC 989.05
Arsenic	Max 0.5ppm	SW-846 6020
Lead	Max 0.5ppm	SW-846 6020
Cadmium	Max 1.0ppm	SW-846 6020
Mercury	Max 0.1ppm	SW-846 7473
Aerobic plate count	Max 1000cfu/g	AOAC 966.23
Coliform	Max 10cfu/g	AOAC 966.24
Yeast & Mold	Max 25cfu/g	FDA-BAM
Enterobacteriaceae	Negative/g	FDA-BAM
<i>E. Coli.</i>	Negative/g	FDA-BAM

Salmonella
S. aureus

Negative/25g
Negative/g

AOAC 2004.003
FDA-BAM

Regulatory Information

GMO Status: Non GMO

Ingredients

Min 80% Beta-1,3/1,6-D Glucan

Labeling

In the United States and the European Union: Yeast Beta-D Glucan 80%

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	5kg*2bags/carton; 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.