

## TECHNICAL DATA SHEET

# Glucomannan

## 95%

### Chemical Properties

Chemical Formula:  $(C_{35}H_{49}O_{29})_n$

Molecular Weight: 500000 to 2000000 daltons

CAS: 11078-31-2

EINECS: 234-394-2

### Description

Glucomannan is a water-soluble polysaccharide that is considered a dietary fiber. It is a hemicellulose component in the cell walls of some plant species. Glucomannan is a food additive used as an emulsifier and thickener.

### Solubility

It is soluble in water.

### Specification

Item	Specification	Test Method
Appearance	Milk white powder with black spot	Visual
Odor	Odorless	Organoleptic
Total Dietary Fiber(dry basis)	Min 95%	NYT 494-2010
Viscosity	Min 36000mpa.s	NYT 494-2010
Particle size	45-100 mesh	Taylor mesh
Loss on Drying	Max 8.0%	GB/T 5009.3-2010
Ash	Max 2.0%	GB/T 5009.4-2010
Bulk density	Min 0.8g/mL	In-house
Chloride	Max 0.02%	GB/T 15667-1995
50% Alcohol-soluble	Max 2.0%	GC-FID
SO <sub>2</sub>	Max 4ppm	AOAC990.28
Starch	Max 1.0%	GB/T 5009.9-2008
Protein	Max 1.5%	GB 5009.5-2010
pH	5-7	GB/T 10786
Total heavy metal	Max 20ppm	GB/T 5009.74-2003
Arsenic (As)	Max 2.0ppm	GB/T 5009.11-2003
Lead (Pb)	Max 1.0ppm	GB 5009.12-2010
Cadmium (Cd)	Max 1.0ppm	GB/T 5009.17-2003

Mercury (Hg)	Max 0.1ppm	GB/T 5009.15-2003
Total Plate Count	Max 5,000cfu/g	GB/T 4789.2-2010
Yeast & Mold	Max 100cfu/g	GB/T 4789.15-2010
<i>E. Coli</i>	Negative in 5g	SNT 0169-2010
<i>Salmonella</i>	Negative in 12.5g	GB/T 4789.4-2003

## Ingredients

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Glucomannan 95%

## Labeling

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In the United States and the European Union: Glucomannan

## Applications

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Glucomannan is a food additive used as an emulsifier and thickener.

## 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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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. During transportation, it should prevent violent vibration, and keep moisture-proof, waterproof and sunlight-proof. It should be stored in a well-closed container away from moisture and direct sunlight.

## Packaging, Storage & Shelf Life

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Package	25kg/ carton; or according to customers' requirements.
Storage	Store in a cool dry place, avoiding sunlight directly.
Shelf life	2 years if sealed and stored properly.