

TECHNICAL DATA SHEET

Barley β -D Glucan

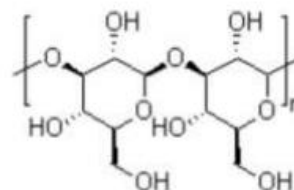
70%

Chemical Properties

CAS NO.: 9041-22-9

Molecular Formula: $(C_6H_{10}O_5)_n$

Molecular Weight: $(470.42)_n$



Description

Barley has more beta glucan fiber than any other grain, and it has repeatedly established positive clinical results with regard to diabetes control.

Solubility

It's soluble in water.

Specification

Item	Specification	Test Method
Appearance	Light yellow fine powder	Visual
Odor& Taste	Characteristic	Organoleptic
Beta Glucan	Min 70%	AOAC 995.16
Particle size	100% through 60 mesh	Sieve
Moisture	Max 5.0%	FCCV
Ash	Max 5.0%	FCCV
Heavy Metals	Max 10ppm	GB/T5009.12
Lead	Max 2ppm	GB 5009.12
Arsenic	Max 1ppm	GB 5009.11
Mercury	Max 0.1ppm	GB 5009.17
Total Plate Count	Max 1,000cfu/g	GB/T4789
Total yeast & mold	Max 100cfu/g	GB/T4789
<i>E. Coli.</i>	Negative	GB/T4789
<i>Salmonella</i>	Negative	GB/T4789
<i>Staphylococcus</i>	Negative	GB/T4789

Ingredients

Min 70% Barley β -D Glucan

Labeling

In the United States and the European Union: Barley β -D Glucan

Functions

It not only boosts immune function by supporting macrophages and neutrophils, lowers blood pressure and cholesterol levels, and helps control obesity, but also attenuates postprandial glucose levels, improves insulin sensitivity, and promotes a feeling of satiety.

Applications

Barley beta glucan has been incorporated into breakfast cereals, baked products, pasta, beverages, salad dressings, and a variety of food forms.

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 incompatibles 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 year if sealed and stored properly.