

TECHNICAL DATA SHEET

Oat Beta-D Glucan

1% Liquid

Chemical Properties

Plant source: *Avena sativa* Linn

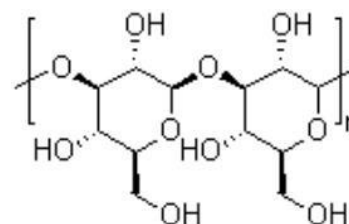
Synonym: Oat Beta 1,3-1,4-glucan; 1,3- Beta- glucans from oat;

Oat Beta-(1,3)(1,4)-D-Glucan.

CAS No: 55965-23-6

Chemical Formula: $[C_{18}H_{30}O_{14}]_n$

Molecular Weight: $(470.42)_n$



Description

Oats are rich in glucan. We use advanced bio separation technology to obtain beta glucan from oat. Our product Oat Beta-D Glucan 1% Liquid has the effect of good transdermal absorption, moisturizing, anti wrinkle and anti-aging. Also it can give the skin silky smooth and moist feeling.

Solubility

It's soluble in water.

Specification

Item	Specification	Test Method
Appearance	Colorless to pale yellow clear liquid	Visual
Odor	Characteristic	Smelling
Beta Glucan	Min 1.0%	UV,CP2010
pH	5.0-6.5	CP2010
Density ratio	1.05-1.08	CP2010
Heavy metals	Max 10ppm	CP2010
Arsenic	Max 1.0ppm	AAS
Lead	Max 2.0ppm	AAS
Mercury	Max 0.2ppm	AAS
Pesticide Residues	Max 1.0ppm	GC
Total plate count	Max 10,000 cfu/g	CP2010
Total yeast & mold	Max 25 cfu/g	CP2010
<i>E. Coli</i>	Negative	CP2010
<i>Salmonella</i>	Negative	CP2010
Pathogenic Bacterium	Negative	CP2010

Ingredients

Beta-1,3/1,4-D Glucan 1% Liquid

Labeling

In the United States and the European Union: Oat Beta-D Glucan 1% Liquid

Applications

1. Protect the cells from UV damage;
2. Collagen synthesis measured indirectly by procollagen production stimulated by macrophages;
3. Improve extrinsic signs of aging;
4. Better long term moisturisation;
4. It has prebiotic activity, can promote the beneficial bacteria of skin, etc.

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 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 years if sealed and stored properly.