

Updated: 11-Mar-2022

Beta Glucan

Specification Sheet

Description: Beta-Glucan is a natural high-molecular weight polysaccharide naturally occurring in the cell walls of cereals, yeast, bacteria, and fungi. It is derived from mushrooms and is different than beta glucan from oat, barley or other plants. Dissolved in water and glycerin. Colorless, slightly yellow liquid solution. Slight & characteristic odor. pH 6-8, water soluble.

CAS: 53238-80-5, 7732-18-5, 56-81-5, 6920-22-5, 5343-92-0

INCI Name: Beta glucan, water, glycerin

Composition: beta glucan, water, glycerin, 1,2-hexanediol, pentylene glycol

Purity Grade: No purity grade applicable

Appearance:

Colorless, slightly yellow liquid solution, slight & characteristic odor

pH Value: pH range: 6-8

Benefits:

- Serves as 'protect and repair' molecule as it increases natural self-protecting capabilities of the skin and also accelerates skin recovery
- Due to its high molecular weight it also has good water-binding capacity and therefore moisturizing effects
- Has been shown to stimulate collagen production in-vitro and can reduce appearance of fine lines and wrinkles.

Use: Add to formulas to the water phase. Typical concentration 1-5%. Stable when kept in a closed container at a cool & dry place. For external use only.

Applications: Skin lotions, anti-aging products, skin serums, masks, special skin treatments, makeup.

Solubility: Water-soluble

Preservation: 1,2-hexanediol, pentylene glycol

Storage: Store light-protected at a cool and dry place

Country of Origin: USA

Raw material source: Mushrooms

Manufacture: Beta glucan is extracted and purified from mushrooms

Animal Testing: Not animal tested

GMO: GMO-free but not certified

Vegan: Does not contain animal-derived components

HS Code: 3304990000