

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

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**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