

Hyaluronic Acid SLMW

Specification Sheet

Description: Hyaluronic acid (sodium hyaluronate) is a natural polysaccharide (sugar) that occurs in body tissues including the skin providing hydration, stability, lubrication. The SLMW (super low-molecular-weight) form is made by enzymatically cleaving high-molecular weight hyaluronic acid into small fragments. Molecular weight 8-20kDa. Shelf-life up to 2 years if stored protected from humidity, sunlight and microbial contamination.

CAS: 9067-32-7

INCI Name: Sodium hyaluronate

Composition: Sodium hyaluronate

Purity Grade: No purity grade applicable

Appearance: Off-white odorless, fluffy powder

Benefits:

- One of the most powerful moisturizing agents available
- Smaller molecules enhance skin penetration providing smoothness and softening to the skin
- Excellent anti-wrinkle effects
- Ideal ingredient after peelings, soothes irritated skin

Use: Typically used at 0.1-10%, a higher percentage is possible because the Low-molecular weight HA does not gel like the HMW-Hyaluronic acid. It may still clump and therefore needs to be mixed very well. Adding some glycerin or using a high-shear mixer is recommended to avoid clumping. The consistency of the powder is less "fluffy" than compared to the regular high molecular hyaluronic acid. There is no thickening effect like with the high molecular hyaluronic acid, making a higher concentration easier to deal with.

Applications: Hydrating, moisturizing creams & lotions, anti-aging & anti-wrinkle products, pre/after sun lotions, protecting/nourishing & moisturizing skin care products, products for sensitive or dry skin.

Solubility: Water-soluble

Preservation: Preservative-free

Storage: Store in a closed container at a dry place at room temperature

Country of Origin: China (ISO certified factory)

Raw material source: Glucose, soy peptone and yeast extract

Manufacture: Hyaluronic acid is produced biotechnologically through microbial fermentation with the aid of yeast extract and peptones and serums. The high-molecular weight hyaluronic acid is then further enzymatically cleaved into smaller fragments.

Animal Testing: Not animal tested

GMO: GMO-free

Vegan: Does not contain animal-derived components

HS Code: 3304995000