

Hyaluronic Acid

Specification Sheet

Description: Hyaluronic acid is a natural polysaccharide (large sugar molecule) that occurs in various tissues (skin, synovial fluids of joints, connective tissues). Responsible for tissue hydration, lubrication, & tissue stability, holds 500 times its own weight of water. Molecular weight 800-1500kDa. Shelf-life up to 3 years if stored protected from humidity and microbial contamination.

CAS: 9067-32-7, 7732-18-5

INCI Name: Sodium Hyaluronate (and) Water

Composition: Sodium Hyaluronate, Water

Appearance: White powder, no odor

Benefits:

- Most powerful moisturizer and humectant available.
- Provides smoothness and softening to the skin.
- Can reduce the appearance of wrinkles.
- Ideal ingredient after skin peels.

Use: Typically used at 0.1-2%. Hyaluronic acid is not readily soluble in water as it binds water very quickly forming a gel. Hyaluronic acid needs to be carefully sprinkled into the water under constant high-speed stirring (preferably with a hand mixer or vortex mixer). The mixture starts then thickening quickly and becomes a gel. At the point no additional hyaluronic acid can be added as there is no water left for hyaluronic acid to be dissolved in (additional hyaluronic acid would only form lumps).

Applications: Hydrating gels, 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

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.

Animal Testing: Not animal tested.

GMO: GMO-free

Vegan: Does not contain animal-derived components.

HS Code: 3304995000