

FICHA TÉCNICA

1407-Ácido Hialurónico Alto Peso Molecular

Chemical Properties

Product Name: Sodium Hyaluronate
 Grade: Cosmetic grade
 INCI Name: Sodium Hyaluronate
 Chemical Formula: $(C_{14}H_{20}NO_{11}Na)_n$
 CAS No.: 9067-32-7

Specification

Item		Standard
1 Appearance		White or almost white powder
2 Identification	A. Infrared absorption	Consistent with the reference spectrum of sodium hyaluronate.
	B. Reaction of sodium	Positive
3 Glucuronic acid		$\geq 46.0\%$
4 Sodium hyaluronate		$\geq 95.0\%$
5 pH		5.0~8.0
6 Absorbance		$A_{280nm} \leq 0.25$
7 Transparency		$T_{550nm} \geq 99.0\%$
8 Loss on drying		$\leq 10.0\%$
9 Intrinsic viscosity		Measured value
10 Molecular weight		0.85 - 1.6 MDA
11 Protein		$\leq 0.1\%$
12 Heavy metal		≤ 10 ppm
13 Arsenic		≤ 1 ppm
14 Bacteria counts		≤ 10 cfu/g
15 Mold & Yeast		≤ 10 cfu/g
16 Staphylococcus aureus		Negative
17 Pseudomonas aeruginosa		Negative

Description

Sodium Hyaluronate is a natural mucopolysaccharide produced through all-natural vegan origin. It is a kind of natural humectants which can preserve elasticity and firmness of skin, give skin a softer feel and more youthful appearance with its moisture retention properties. It is the ideal ingredient for moisturizing preparations, anti-drying milks, sensitive skin formulations and body lotions.

Our Advantages

1. High content, low impurities
HA>95%, Total aerobic count≤ 10 cfu/g, Mold & Yeast≤10 cfu/g.
2. Non-animal sources, non-GMO and non-BSE/TSE risk
3. Strictly produced according to ISO 9001 and has been Kosher, Halal and Ecocert & Cosmos certified.

Use in Cosmetics

Daily skin care	0.01 – 0.2%
Night and reparative preparations	0.02 – 0.20%
After sun	0.02 – 0.50%
Pre-shaves/ After shaves	0.002 – 0.05%

Solubility

- Dissolves rapidly in water.
- Soluble in mixtures of water with ethylalcohol, isopropylalcohol, propylene glycol and butylene glycol at the concentration of organic solvent up to 70%.
- Insoluble in non-water miscible solvents.

Toxicological data

Non-irritating
Non-cytotoxic
Non-phototoxic
Non-mutagenic

Packing

1kg/ aluminum foil bag
100g/ bottle
10kg or 20kg/ carton/drum
Special packaging upon request.

Self Life

Up to 3 years, not opened

Storage

Airtight, protected from light, at a temperature between +2°C to +10°C