

TECHNICAL DATA SHEET

HyaPoly™ Sodium Hyaluronate

1% Solution

Chemical Properties

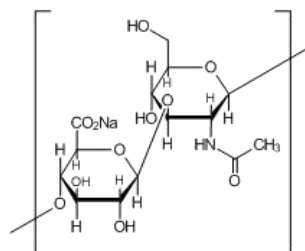
CAS No: 9067-32-7;

EINECS No.: 232-678-0

INCI name: Sodium Hyaluronate

Chemical Formula: $(C_{14}H_{20}NO_{11}Na)_n$

Molecular Weight: (403.31) n



Description

Sodium hyaluronate is used to be called as hyaluronic acid. It is a water-soluble salt form of hyaluronic acid to increase stability and lessen the likelihood of oxidization. It is a glycosaminoglycan and long-chain polymer of disaccharide units of Na-glucuronate-N-acetylglucosamine.

Solubility

It is soluble in water, diluted acids, but insoluble in ethanol, chloroform and ether.

Specification

| Item | Specification | Test Method |
|---------------------------------------|----------------------|-------------|
| Appearance | Transparent solution | Visual |
| Color | Colorless | Visual |
| Glucuronic Acid | Min 4.5 mg/ml | In-house |
| Sodium Hyaluronate | Min 10.0g/l | In-house |
| pH | 6.0 ~ 7.5 | In-house |
| Protein | Max 0.002% | In-house |
| Dynamic viscosity | 1000~18000mPa.s | In-house |
| Heavy Metals | Max 0.2ppm | In-house |
| Hemolysis | Negative | In-house |
| Total plate count | Max 10 cfu/g | In-house |
| <i>Viable hemolytic streptococcus</i> | Negative | In-house |
| <i>Other Indexes of Microorganism</i> | Negative | In-house |

Ingredients

Sodium Hyaluronate, water

Labeling

In the United States and the European Union: HyaPoly™ Sodium Hyaluronate
1% Solution

Applications

It is used in skin-care and hair-care products.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling recommendations

Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Packaging, Storage & Shelf Life

| | |
|------------|--|
| Package | 1kg/Aluminum foil bag; or according to customers' requirements. |
| Storage | Store in cool temperature (2°C~10°C) away from moisture and direct sunlight. |
| Shelf Life | 3 years if sealed and stored properly. |