

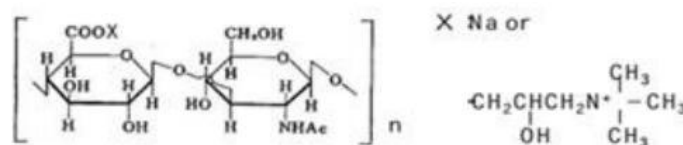
TECHNICAL DATA SHEET

HyaPoly Plus™ Sodium Hyaluronate (Cation)

Cosmetic Grade

Chemical Properties

Product name: HyaPoly Plus™ Sodium Hyaluronate



Description

Sodium HyaPoly Plus™ Sodium Hyaluronate (Cation) is a kind of new product developed on the basis of ordinary Sodium Hyaluronate. Besides the same high moisture properties and high viscoelasticity as ordinary Sodium Hyaluronate, it also has good adsorption and affinity. It is used in hair care products and cleaning cosmetics products, and it can be adsorbed on the hair and skin surface to keep its moist state and can not be washed away easily by running water. When add HyaPoly Plus™ into skin care products, you can feel good ductility when use it and skin feeling is refreshing without oily feeling after use. Skin becomes more moist and shinier when long-term use.

Solubility

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

Specification

Item	Specification	Test Method
Appearance	White or almost white powder or granule	Visual
Identification		
Identification of CPC	Must positive	In-house
Identification of sodium	Must positive	
Assay(Glucuronic acid on dry base)	37%~46.0%	In-house
pH(0.5% Water Solution)	5.0 ~ 7.5	In-house
Absorbance(0.5% Water Solution) A_{280nm}	Max 0.25	In-house
Appearance (0.5% Water Solution) A_{550nm}	Min 99.0%	In-house
Protein	Max 0.1%	In-house
Residue on ignition	Max 15%	In-house
Loss on drying	Max 10.0%	In-house
Kinematic viscosity	2-10 mm ² /s	In-house
Degree of Cationization	0.15-0.60	In-house
Heavy Metals(as Pb)	Max 20ppm	In-house
Total plate count	Max 100 CFU/g	In-house
Total yeast & mold	Max 50 CFU/g	In-house

Pseudomonas aeruginosa
Staphylococcus aureus

Negative in 1g
Negative in 1g

In-house
In-house

Ingredients

Cation Sodium Hyaluronate

Labeling

In the United States and the European Union: HyaPoly Plus™ Sodium Hyaluronate (Cation)
Cosmetic Grade

Uses recommendations

Topical grade Sodium hyaluronate (Cation) can be used in many kinds of cosmetics, such as cream, milk, water shampoo lotion, etc. Cation HA is one of the best nature moisturizing components used in cosmetics.

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. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation.

Keep away from sparks, and flame. Keep away from sources of ignition. Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances and flammables-area.

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 2 years if sealed and stored properly.