



# NatiFlex™ HyaMate

## APPLICATIONS

**NatiFlex™ HyaMate** brings high efficient benefits in hair care and skin care fields.

- Perform as moisturizing factor in shampoo, hair conditioners with good conditioning effect
- Provide enhanced skin moisturization
- Reduction of irritation
- Easy to process
- Compatible with cationic, non-ionic and anionic systems
- Viscosity and molecular weight adjustable

**Dosage Recommendation: 0.05-0.5% in cosmetics**

## PACKAGING AND LABELING

To help ensure ease of storage and handling while main properties, **NatiFlex™ HyaMate** is packaged in aluminium foil bags with unit net weight 5kg within a cardboard container or fibre drum.

Minimum storage conditions should be unopened cartons in a dry and unheated warehouse.

In general, label of **NatiFlex™ HyaMate** contains following information,

1. Manufacturer's Name
2. Brand name **NatiFlex™** and type name
3. Lot Number
4. Net Weight
5. Manufacturing Date
6. Origin of Product ( Made In China)

## PRODUCT HANDLING AND STORAGE

Under high humidity conditions with an ambient temperature cycling over a wide range, risk of bacterial pollution raises up. It may result in viscosity decrease and cationization damage of product. To minimize the potential risk and prolong the storage life, the following suggestions are made:

1. Carefully re-tie open bags after use.
2. If the container is punctured during shipping or handling, stop use the material.
3. During humid summer months, store in the driest, coolest space available.
4. If good storage conditions are unavailable, carry a minimum inventory, and process on a first in/first out basis.
5. Shelf life of **NatiFlex™ HyaMate** is 24 months if properly stored.

This product specification information is based on our present state of knowledge and to provide general notes on our products and application. It should therefore not be construed as guaranteeing specific properties of the products or their suitability for specific application.

This Product Specification is not signed. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. If you have any questions, please contact our R&D center or sales people from Joyvo (A WeiKem company).

# NatiFlex™ HyaMate



INCI: Hydroxypropyltrimonium Hyaluronate

## Introduction

Hyaluronic acid is considered to be the best moisturizing factor in nature. NatiFlex™ HyaMate is an innovative cationic hyaluronic acid. Sodium hyaluronate as the skeleton, Joyvo team optimized the combination of cation groups and HA to give it absorption.

## Technical data

Item	Standard
General Description	White to light yellowish powder
Identification	
(1) Reaction with CPC	Positive
(2) Sodium	Positive
(3) Glucuronic Acid	Positive
pH	5.0-7.5
Glucuronic Acid	≥35.0%
Loss on Dry	≤10.0%
Protein	≤0.1
Heavy Metal(as Pb)	≤20 ppm
Arsenic	≤2 ppm
Bacterial count	≤100 cfu/g
Mold and Yeast	≤50 cfu/g
E.Coli	≤30 cfu/g
Staphylococcus aureus	Negative
Pseudomonas aeruginosa	Negative

## Recommendation

Compared with ordinary hyaluronic acid, NatiFlex™ HyaMate has excellent solubility property, skin and hair care: moisturizing, regulate skin, strengthen skin moisturizing ability, reduce the stimulation, easy to operate, compatible with cationic, anionic, nonionic system, improve the hair, nourish the scalp.

## Packaging & storage

General, NatiFlex™ HyaMate is packaged in aluminum foil bags of 1kg net weight.

NatiFlex™ HyaMate shall be stored in unopened cartons in dry and cool place.

NatiFlex™ HyaMate has 2 year shelf life.



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The information in this document is believed to be reliable. Customers are urged to make their own tests to determine if the product meets your specific needs. Nothing contained herein is intended as a guarantee to use our product. In no events the described materials, information, data in the document shall be liable as a part of sale conditions.