

Hyaluronic Acid Na-Salt Triple 1.5% solution

Description

Hyaluronic acid is a linear polysaccharide naturally occurring in the human body. The higher the molecular weight of hyaluronic acid is, the better are the film forming properties. The lower the molecular weight is, the better is the biological activity of this active ingredient. Hyaluronic acid is known to be one of the best moisturizers. The combination of different molecular weights guarantees a perfect hydration of the skin from out- and inside, as well as the improvement of structural integrity of the skin. This product ideally combines anti-aging properties with effective moisturization.

Hyaluronic Acid Na-Salt Triple 1.5% solution is a solution of three hyaluronic acids of different molecular weights. Therefore, it shows an outstanding high water absorption capacity, improving skin hydration. Over time, the powerful hydration properties of the high molecular weight hyaluronic acid and its film forming ability helps to fill in lines and wrinkles, leaving your skin smooth and plump. A certain level of stratum corneum hydration is essential for skin smoothness and elasticity, which is reached by the three different molecular weights of sodium hyaluronate in the product.

Efficacy

- improves skin hydration significantly
- reduces wrinkles and fine lines
- improves skin smoothness and skin feel
- reduces TEWL
- forms a protective film on the skin
- improves sensorial properties
- normalizes sebum production
- improves skin barrier function
- improves skin elasticity and skin inner structure

Appearance

clear viscous solution

INCI

Aqua, Sodium Hyaluronate

Registration

CAS-No.:

Aqua.....7732-18-5

Sodium Hyaluronate.....9067-32-7

EC-No.:

Aqua.....231-791-2

Sodium Hyaluronate.....-/-

Raw material approved by ECOCERT GREENLIFE,
conform to the COSMOS Standard.



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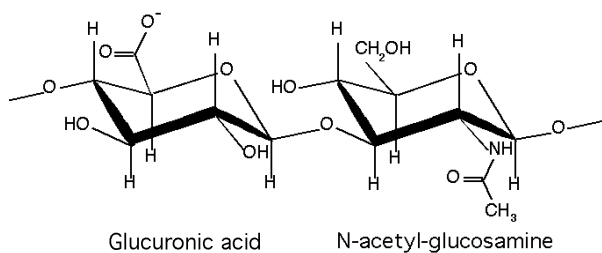
Preservatives / Stabilizers

preservatives.....none
stabilizer Pentylene Glycol.....6 %

Characteristics

Hyaluronic Acid Na-Salt SMW
1.5 - 1.8 MDa.....>=0.5 %
Hyaluronic Acid Na-Salt HySilk LMW
0.25 - 0.45 MDa.....>=0.5 %
Hyaluronic Acid Na-Salt HyActive VLMW
10 - 20 kDa.....>=0.5 %
dry residue.....1.40 - 1.85 %
pH-value.....5.00 - 8.00
viscosity.....800 - 2000 mPas

Hyaluronic Acid



molecular formula.....(C₁₄H₂₁NO₁₁)_n

Application

daily cosmetic products
creams and lotions
face masks
gels and ampoules
body care
after sun care
after shave

Application concentration

skin care formulation.....0.2 - 10.0 %
hair care.....1.0 - 4.0 %
lipstick.....0.5 - 3.0 %

Incorporation

Hyaluronic Acid Na-Salt Triple 1.5% solution
should be blended into the water phase at max.
50°C (cold process capable).
It is soluble in water.

Toxicology

non hazardous in normal use concentration
pure raw material causes serious eye damage

Storage & Shelf life

Hyaluronic Acid Na-Salt Triple 1.5% solution
should be stored in a dry and light protected
place at 10 - 25 °C.

In closed original containers the shelf life is five
years.