

Hyaluronic Acid Na-Salt MIX 4

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-ageing properties with effective moisturization.

Hyaluronic Acid Na-Salt MIX 4 is a mixture of four 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 four different molecular weights of so-dium hyaluronate in the product. Due to low molecular weight hyaluronic acid, Hyaluronic Acid Na-Salt MIX 4 boosts collagen production and soothes the skin. The skin's inner structure can rebuild itself and skin aging is slowed down. Take skin youth to its maximum!

Efficacy

- improves skin hydration significantly
- reduces wrinkles and fine lines
- improves skin smoothness and skin feel
- reduces the 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
- helps to maintain a youthful appearance

Appearance

white to slightly yellow powder, granules or fibrous aggregate

INCI

Sodium Hyaluronate, Hydrolyzed Sodium Hyaluronate

Registration

CAS-No.:

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

EC-No..... -/-

Preservatives / Stabilizers

none

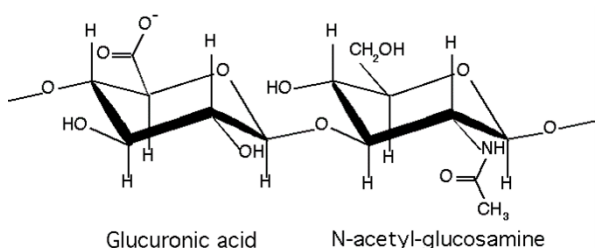
Nature needs no cosmetics,
but cosmetics need nature



Hyaluronic Acid Na-Salt MIX 4

Characteristics

sodium hyaluronate.....> 93 %
 Hyaluronic Acid Na-Salt (SMW)
 1.5 - 1.8 MDa.....60 %
 Hyaluronic Acid Na-Salt (LMW) HySilk
 0.25 - 0.45 MDa.....20 %
 Hyaluronic Acid Na-Salt (VLMW) HyActive
 10 - 20 kDa.....15 %
 Hydrolyzed Sodium Hyaluronate OligoHyaferre
 <= 5.0 kDa.....5 %
 pH (0.5 % aqueous solution).....5 - 8.5



Molecular formula.....C₁₄H₂₁NO₁₁

Application

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

Application concentration

skin care formulation.....0.01 - 0.25 %

Incorporation

Hyaluronic Acid Na-Salt MIX 4 should be blended into the water phase at max. 50 °C (cold-process capable).

Hyaluronic Acid Na-Salt MIX 4 is soluble in water.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Hyaluronic Acid Na-Salt MIX 4 should be stored in original containers in a dry and light protected place at 2 °C - 25 °C. Brief exposure up to 40 °C possible.

It is recommended to store the mixture at 2 - 8 °C after opening. Incompatible with oxidizing agents. The material is hygroscopic.

In closed original containers the shelf life is 2 years.