

## Hyaluronic Acid Na-Salt 1% solution PHE

### 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. In living tissues it serves as a connective tissue organizer and water holding substance.

Hyaluronic Acid Na-Salt 1% solution PHE is an easy to use active cosmetic ingredients for various applications. 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 a plump. A certain level of stratum corneum hydration is essential for skin smoothness and elasticity.

### 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
- improves skin barrier function

### 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.....-/-

### Preservatives / Stabilizers

preservative phenoxyethanol.....0.95 %

stabilizers.....none

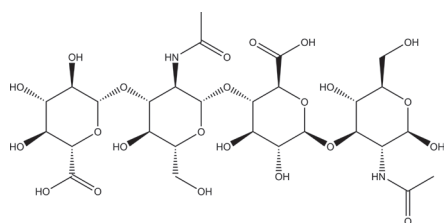


Nature needs no cosmetics,  
but cosmetics need nature

## Hyaluronic Acid Na-Salt 1% solution PHE

### Characteristics

Hyaluronic Acid Na-Salt SMW	
1.5 - 1.8 MDa.....	1.0 %
Uronic Acid - UA.....	> 0.45 %
Sodium Hyaluronate - UA x2,067.....	> 0.93 %
dry residue.....	1.00 - 1.35 %
density.....	0.95 - 1.08 g/ml
pH-value.....	5.00 - 8.00



Hyaluronic acid

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molecular formula..... $(C_{14}H_{21}NO_{11})_n$

### 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.....	0.2 - 10.0 %
hair care.....	1.0 - 4.0 %
lipstick.....	0.5 - 1.0 %

### Incorporation

Hyaluronic Acid Na-Salt 1% solution PHE 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.

### Storage & Shelf life

Hyaluronic Acid Na-Salt 1% solution PHE should be stored in a dry and light protected place at 10 - 25°C.

In closed original containers the shelf life is five years.