

# HYALURONIC ACID-BT

## Experience immediate skin revival

HYALURONIC ACID-BT creates a protective film on the surface of skin which traps skin moisture. Skin becomes fresher-looking, smooth and elastic.

Manufactured by biotechnological fermentation, HYALURONIC ACID-BT is a pure, high molecular weight sodium hyaluronate for cosmetic applications.

# HYALURONIC ACID-BT

## “Must-Have” moisturizer

As the Rose of Jericho dries, it curls up, turning gray and brittle. Yet place it in water and it revives to become a living organism again. What’s more, it can do this over and over – just like Hyaluronic Acid. Today, this “Must-Have” moisturizing ingredient is probably the best known and most highly valued active in the beauty industry. Hyaluronic Acid (HA, also called hyaluronan) is a major component of the extracellular matrix of the skin and is especially important because it can bind up to 1000 times its own volume in water. With age, the skin’s ability to produce Hyaluronic Acid decreases. As a result, skin becomes drier and loses its ability to remain hydrated.

Pure, high molecular weight HYALURONIC ACID- BT is manufactured by biotechnological fermentation. On application it immediately creates a protective film on the surface of skin. Skin is hydrated, becoming smooth and elastic with improved freshness.

## Key facts

### Unique product features

- High purity
- High relative molecular weight (1.45 – 1.77 MDa) with fast and complete solubility in water
- Low concentrations in water produce a viscous solution with superior spreading and lubrication properties
- Forms uniform viscoelastic surface film

### Benefits

- Outstanding tactile experience and skin revival immediately after application
- Excellent hydration capacity for perfectly moisturized skin
- Improves skin smoothness, elasticity and freshness

### Cosmetic application

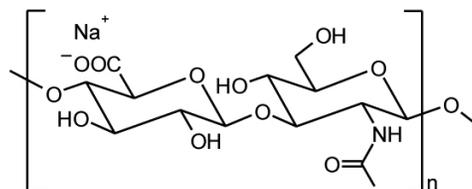
- Suitable for all types of water-based skin care formulations

### Suggested concentration

- 0.01 – 1% HYALURONIC ACID-BT
- 3 – 5% HYASOL PF

## Exceptional composition

HYALURONIC ACID-BT is produced by fermentation. During the fermentation and purification processes of HYALURONIC ACID- BT, special attention is paid to maintaining its high relative molecular mass (1.45 – 1.77 MDa) and a high degree of purity for better efficacy and solubility in water.



## Valuable skin care properties

Because of its relatively high molecular weight the HYALURONIC ACID-BT is not absorbed following application to the skin. Instead, it forms a thin, light, permeable, invisible, viscoelastic surface film. This fixes the moisture on the surface of the skin. The Hyaluronic Acid film supports the skin’s natural protective mechanism. Since it is an excellent water reservoir and an ideal lubricant, when incorporated into cosmetics HYALURONIC ACID-BT leads to a perceptible and visible improvement in skin condition.

## Studies

Recent studies demonstrated that high molecular weight Hyaluronic Acid improves skin hydration and elasticity when compared to placebo.\*

## Supply forms

- **HYALURONIC ACID-BT**  
White granulated powder, > 95% Sodium Hyaluronate.
- **HYASOL PF**  
1% aqueous, highly convenient, ready-to-use, viscous solution of HYALURONIC ACID-BT. The high relative viscosity of HYASOL PF derives from the very pronounced hydrophilic characteristics of HYALURONIC ACID-BT. Preserved with 1% Phenoxyethanol.

## INCI name (active ingredient)

- Sodium Hyaluronate

\* Source: Efficacy of cream-based novel formulations of Hyaluronic Acid of different molecular weights in anti-wrinkle treatment; Tatjana Pavicic et al; J Drugs Dermatol. 2011; 10 (9): 990-1000