

Sodium Hyaluronate Cross polymer

From Hydration to Retention.

Long-lasting moisture, stabilized for enduring skin comfort.

Biotech Edge

Developed through precision biopolymer technology, Sodium Hyaluronate Cross polymer transforms hyaluronic acid into a 3D hydration matrix that mimics skin's moisture-retention architecture. This next-gen structure ensures timed-release hydration and barrier reinforcement, offering long-lasting softness and suppleness. It is not just moisture, it is biotech-engineered retention and resilience.



Sodium Hyaluronate Crosspolymer is a chemically cross-linked form of hyaluronic acid designed to build a 3D molecular network. Unlike linear HA that degrades quickly on skin, this stabilized structure forms a durable water reservoir, releasing hydration over time and providing lasting plumpness. Its gel-like consistency enhances film formation, ensuring skin remains supple, protected, and comfortably moisturized.

PRODUCT DETAILS

INCI name:
**Sodium Hyaluronate
Crosspolymer**

Recommended dosage:
0.05 – 1.0%

Appearance:
Colourless clear viscous liquid

Molecular weight: **3 K Da - 5 K Da & 5 K Da - 10 K Da**

Applications:



Long-wear
moisturizers & serums



Anti-aging creams with
sustained hydration claims



Cushioning formulations
for sensitive or dry skin



Advanced "second skin" and
long-lasting cosmetic products

Key Features:

- Non-GMO Microbial Fermentation Origin
 - Non-Animal raw materials
 - High purity profile suitable for cosmetic application
 - Higher Glucuronic acid content
 - Lower content of residual protein, nucleic acid, heavy metals and other impurities
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What it Brings to Your Formulation

- Reliable, long-lasting hydration performance
 - Stability and resistance against quick breakdown
 - Adds luxurious sensorial texture to emulsions and gels
 - Compatible with actives, peptides, ceramides, and antioxidants
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Efficacy Test:

Clinically proven benefits:

- Human skin patch test (30 volunteers, 24–56 years): no irritation or adverse reaction observed at 0.5h, 24h, or 48h
 - Demonstrated excellent skin tolerance, even in sensitive subjects
 - Forms a protective, hydrating film that reduces TEWL over extended periods
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Claims:

- Provides 24h+ hydration with sustained release
- Plumps and cushions skin for a smoother look
- Reduces dryness-induced irritation
- Safe and non-irritating (dermatologist tested)
- Enhances comfort in sensitive-skin formulations