HA LMW (0.1 – 0.5 MDa)

Meteoric Cosmeceuticals
Beauty Meets Brilliance in Biotech

From Penetration to Elasticity.

Hydration that goes deeper, resilience that lasts longer

Biotech Edge

Developed through controlled enzymatic hydrolysis, LMW Hyaluronic Acid embodies targeted biotech delivery that penetrates into deeper epidermal layers to activate cellular hydration and regeneration. This next-gen molecule enhances elasticity, supports collagen structure, and promotes skin renewal from within. A biotech evolution in deep hydration and repair.

Low Molecular Weight (LMW) HA is a next-generation hydrator that delivers moisture where the skin needs it most. With its smaller molecular size, it penetrates the epidermis and engages directly with the skin's support system. Beyond hydration, it helps reinforce the extracellular matrix, enhancing texture, density, and visible bounce.

LMW HA exhibits biological activity regulating the skin's stress response, calming inflammation, and providing measurable antioxidant protection. Clinical studies confirm not only sustained hydration but also a progressive refinement in smoothness, resilience, and overall skin quality, establishing it as both a high-performance moisturizer and a functional active for renewal.

PRODUCT DETAILS

INCI name:	Recommended dosage:	Appearance:
Sodium Hyaluronate	**0.05 – 0.5%**	**White Or Almost White Powder Or Granules**

Improves Skin Elasticity

Reduces Inflammatory Mediators

Active Defence Against Oxidative Stress

Supports Collagen-rich Extracellular Matrix Repair

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

Applications:

- Anti-aging serums & lifting creams
- Hydrating essences & concentrates
- Barrier-repair formulas for dry/damaged skin
- Restorative skin treatments

Please turn for more

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What it Brings to Your Formulation

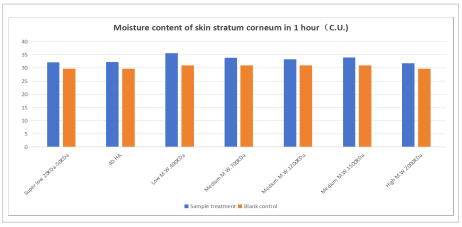
- **Delivers targeted hydration into deeper skin layers**
- **Improves skin firmness and smoothness**
- **Provides anti-inflammatory and soothing activity**
- **Pairs well with peptides, ceramides, and antioxidants**

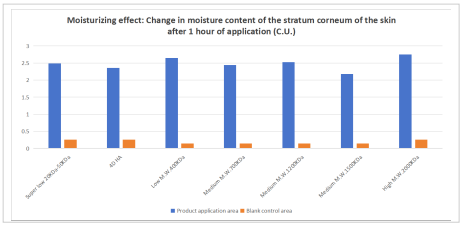
Efficacy Studies

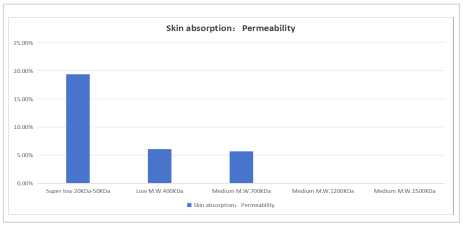
28-day study: Significant improvements in elasticity parameters

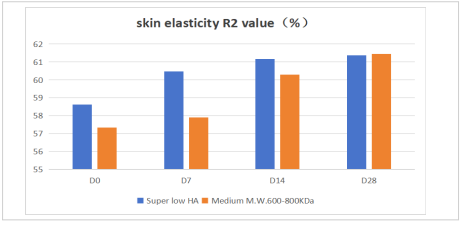
In-vitro: Suppressed IL-1β & TNF-α expression (anti-inflammatory effect)

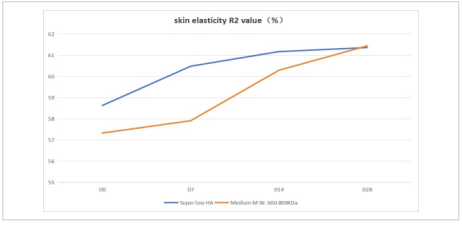
Confers antioxidant protection in in-vitro assays

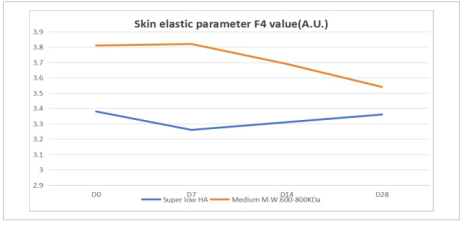












Conclusion: ProHA® Super low molecular weight has good permeability. It can be faster and easier to be absorbed by skin. Elastic parameter R2 value (%).The higher of the R2 value, the better the elasticity of the skin. The value of the elastic parameter F4 (A.U.).A smaller of the F4 value, the firmer of the skin.

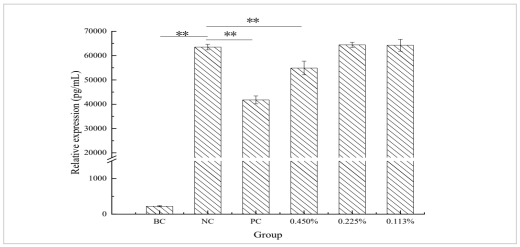


Figure 1 Effect of samples on LPS-stimulated TNF-α expression in human gingival fibroblasts** indicates P<0.01.

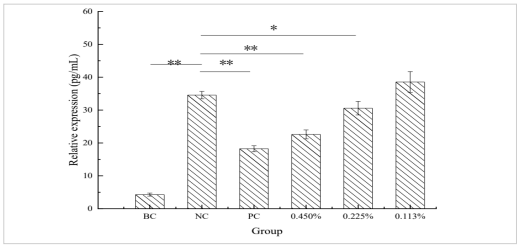


Figure 2 Effect of samples on IL-1β expression in LPS-stimulated human gingival fibroblasts.

In conclusion, the samples had an anti-inflammatory effect of inhibiting the expression of inflammatory factors at the 0.450% concentration of the experimental design.

CLAIMS:

- Deep hydration into the epidermis
- Reduces fine lines & wrinkles
- Improves elasticity & firmness
- Provides soothing, anti-inflammatory care
- Strengthens skin resilience from within

CERTIFICATION:

Verified by ECOCERT

COSMOS APPROVED

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