DSHA

DimethylsilAnol Hyaluronate

Meteoric Cosmeceutiicals

Beauty Meets Brilliance in Biotech

BIOTECH EDGE

Dimethylsilanol Hyaluronate is a structurally **enhanced form of hyaluronic acid** developed to elevate hydration quality and skin performance. Its modified molecular framework enables efficient and sustained water binding, creating a balanced moisture environment that improves skin smoothness, elasticity and comfort. By supporting the cohesion and organisation of the skin matrix, **it helps maintain firmness and a refined surface texture.** This advanced biopolymer delivers high-efficiency hydration with a sophisticated sensory profile, making it ideal for modern, performance-driven formulations.

PRODUCT DETAILS

INCI name:
DimethylsilAnol Hyaluronate, PhenoxyethAnol, Ethylhexyl glycerine, Water

Recommended dosage:
0.5 – 2%

Appearance:
Colourless, transparent or slightly milky liquid

APPLICATIONS :

- Anti-aging creams
- Barrier repair formulations
- Replenishing Lotion
- Hydrating gels
- Firming and elasticity boosters
- Dermocosmetic treatments

KEY FEATURES :

· Silicon-modified hyaluronic acid

· Non-animal origin

· Suitable for cosmetic applications

· Supports collagen synthesis

· Promotes skin elasticity

· Long-lasting moisturization

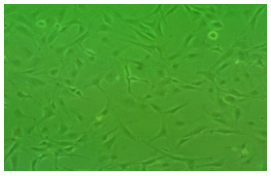
Please turn for more

WHAT IT BRINGS TO YOUR FORMULATION :

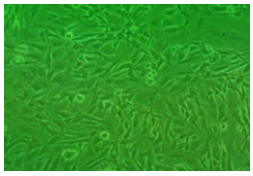
· Strong anti-aging performance with visible firmness
· Multi-level hydration and long-lasting moisture retention
· Improved collagen support and structural lift
· Barrier strengthening with enhanced skin smoothness
· Advanced sensorial profile with a refined silky finish

EFFICACY STUDIES :

Repair efficacy



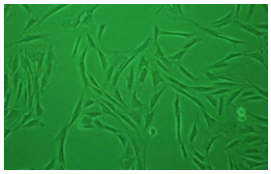
Keratinocytes cultured without silicane HA



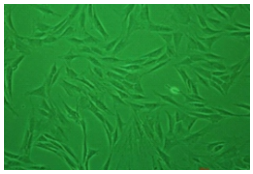
Keratinocytes cultured with silicane HA

Silanized hyaluronic acid can promote the proliferation of keratinocytes and renew keratinocytes. Experimental results show that it can promote the renewal of hyaluronic acid on the epidermis and cells, repair the damage of the epidermis and promote the renewal of the epidermis.

Intelligent moisturizing effect



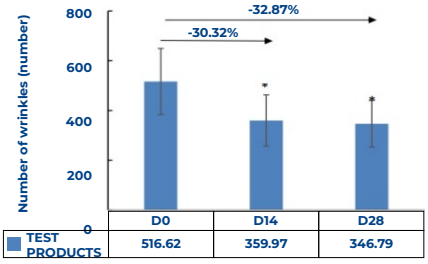
Fibroblasts cultured without silanized HA



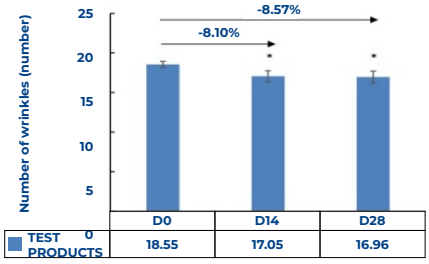
Fibroblasts cultured with silanized HA

Silanized hyaluronic acid has a rich hydroxyl group, which combines with the water intelligence on the skin surface to form a dynamic balance of water on the skin surface, while fixing the water in the skin tissue from the skin muscle base to the surface, forming a real three dimensional intelligent moisturizing; It has been proved that silanized hyaluronic acid can promote the synthesis of hyaluronic acid inside the skin and supplement the endogenous hyaluronic acid.

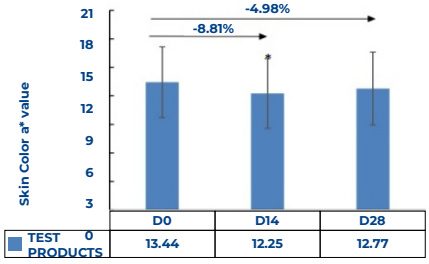
Comparison of the number of wrinkles at the corners of the eyes before and after using the product



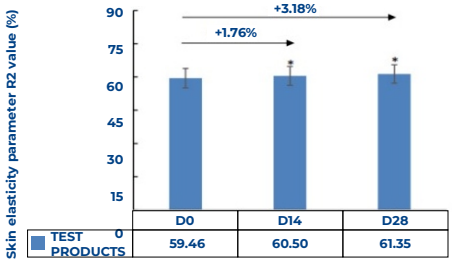
Comparison of the area ratio of wrinkles at the corners of the eyes before and after using the product



Comparison of the a* value of the skin color in the cheek area before and after using the product



Comparison of the R2 value of the skin elasticity parameter in the cheek area before and after using the product



Experiments have shown that silane sodium hyaluronate has excellent effects in increasing skin elasticity, removing facial wrinkles, and lightening skin colour.

CLINICALLY PROVEN BENEFITS :

· Increases skin elasticity
· Reduces wrinkles at the corners of the eyes
· Decreases wrinkle area ratio over 28 days
· Improves skin color uniformity
· Enhances hydration stability through intelligent water binding
· Promotes keratinocyte renewal and epidermal repair
· Strengthens the skin barrier and supports sensitive skin recovery

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