

Meteoric Cosmeceuticals Pvt Ltd (A Meteoric Biopharmaceutical Group company) was founded with the vision of delivering cutting-edge, biotechnology-driven cosmetic ingredients to the global market.

The cosmetics industry is experiencing a paradigm shift, fueled by advancements in biotechnology that are redefining how next-generation ingredients are developed and utilized. These scientific innovations are spearheading the **BioCosmetics** and **Postbiotics** revolution-ushering in a new era of safer, more sustainable, and highly effective cosmetics.



DSHA

DimethylsilAnol Hyaluronate



Anti-aging



Moisturizing



Skin elasticity

PRODUCT DETAILS

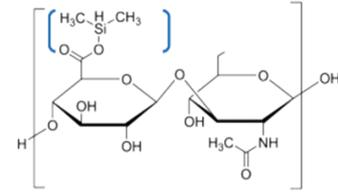
INCI name:

**DimethylsilAnol Hyaluronate,
PhenoxyethAnol, Ethylhexyl glycerine, Water**

Appearance:

Colourless, transparent or slightly milky liquid

Dimethylsilanol hyaluronate is a modified form of hyaluronic acid, created by linking dimethylsilanol groups to hyaluronic acid, resulting in an enhanced ability to hydrate and moisturize the skin. The silanol structure of dimethylsilanol hyaluronate is rich in hydroxyl groups. These groups create hydrogen bonds with water in the skin, establishing a dynamic equilibrium that keeps the skin moisturized. Si is a stable element in the network structure of connective tissue. With the loss of silicon, fibroblasts have an abnormal cellular structure and no longer produce collagen. At the same time, the connection with collagen is not tight, resulting in the disorder of the network structure in the skin, the collapse of connective tissue, skin collapse and irreversible wrinkles. However, the silicon in the human body is lost year by year, so replenishing the silicon in the skin is a key factor in anti-aging. Silanized hyaluronic acid is a derivative of hyaluronic acid combined with silane groups, On the premise of moisturizing and repairing the skin, supplement the silicon element required by the human body.



The addition of real anti-aging hyaluronic acid

Silanized hyaluronic acid can promote the proliferation of fibroblasts, promote the generation of collagen, enhance skin elasticity, maintain skin youth and resist aging.

• Anti-aging

Silane sodium hyaluronate can promote the proliferation of fibroblasts, promote the production of collagen, enhance skin elasticity, maintain the youthful state of the skin, and resist aging.

• Repair

Silane sodium hyaluronate can promote the formation of new proliferation of keratin, renew keratinocytes, promote the renewal of hyaluronic acid to the epidermis and cells, repair epidermal damage, and promote epidermal renewal.

• Moisturizing

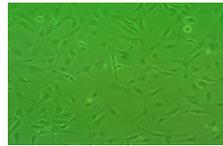
Silanized hyaluronic acid has a rich hydroxyl group, which combines with the water intelligence on the skin surface to form a dynamic balance of water on the skin surface, while fixing the water in the skin.

• Reconstruction

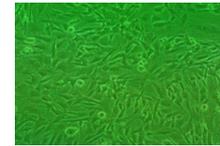
Silanized hyaluronic acid binds silyl groups, which can rebuild the outer mesenchyma of dermal cells, maintain the balance of cell metabolism, enhance the skin barrier, and repair sensitive skin.

Clinical Studies

Repair efficacy



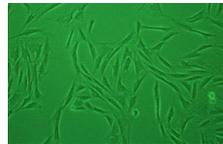
Keratinocytes cultured without silicane HA



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



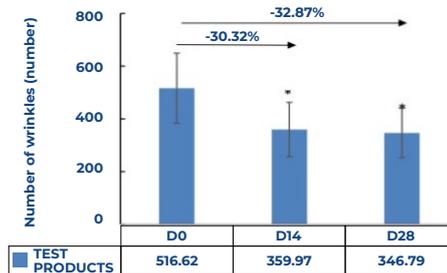
Fibroblasts cultured without silanized HA



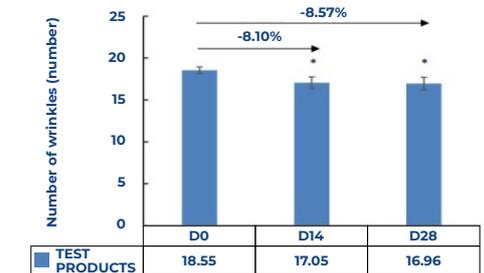
Fibroblasts cultured with silanized HA

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.

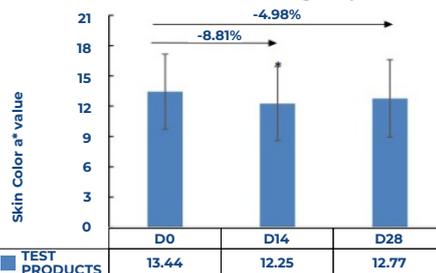
Comparison of the number of wrinkles at the corners of the eyes before and after using the product



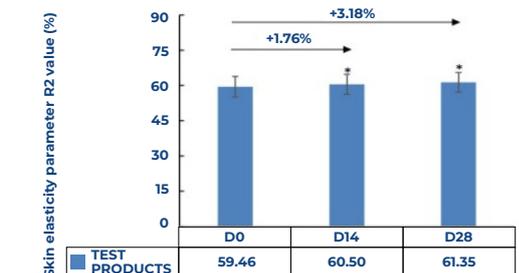
Comparison of the area ratio of wrinkles at the corners of the eyes before and after using the product



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.