

# HA MMW (1.0 – 1.5 MDa)

## From Repair to Resilience.

Balancing deep hydration with UV defence

### Biotech Edge

Engineered by advanced fermentation biotechnology, MMW Hyaluronic Acid offers adaptive hydration that bridges surface protection and deep dermal renewal. Functioning as a biotech skin harmonizer, it delivers both moisture balance and oxidative defense, protecting against UV and pollution-induced stress while rebuilding resilience. A fusion of hydration and photoprotection refined by modern biotech science.



Medium Molecular Weight (MMW HA) bridges the gap between surface hydration and deeper repair. With a medium molecular weight, it penetrates upper epidermis while maintaining surface moisture. It not only hydrates but also shields skin from photo-oxidative stress, reducing UV-induced pigmentation and slowing photoaging. Ideal for restoring compromised skin, it delivers both comfort and resilience in a single step.

### PRODUCT DETAILS

INCI name:

**Sodium Hyaluronate**

Recommended dosage:

**0.05 – 0.5%**

Appearance:

**White Or Almost White  
Powder Or Granules**



**UV Protection**



**Anti-pollution**



**Skin-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

### Clinically proven

- Enhances water content in the stratum corneum
- Reduces erythema (redness) and pigmentation after UV exposure
- Provides soothing and anti-inflammatory support
- Slows signs of photoaging

### Applications:



Daily moisturizers  
& serums



Sunscreens &  
anti-pollution care



Skin-repair & after-sun  
formulations



Restorative treatments  
for stressed or sensitive skin

## What it Brings to Your Formulation



**Delivers dual-action hydration + repair**



**Extends moisturization beyond the surface**



**Protects against environmental and UV stress**

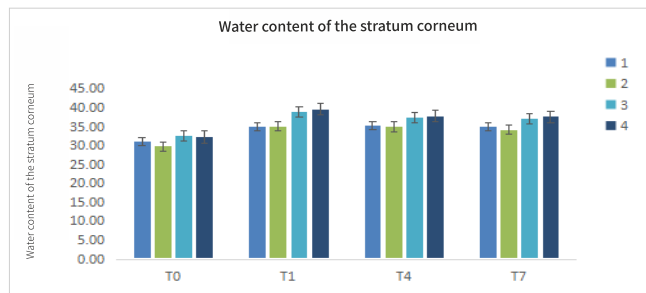
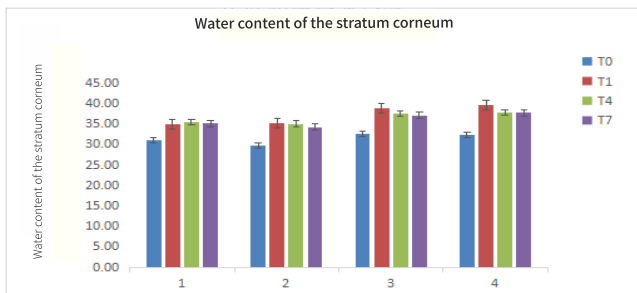


**Ensures compatibility across creams, serums, and sunscreens**

## Efficacy Studies

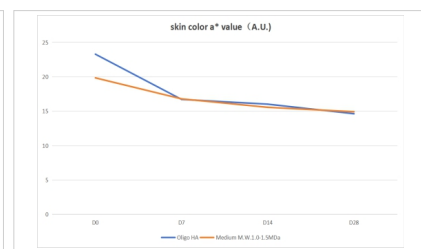
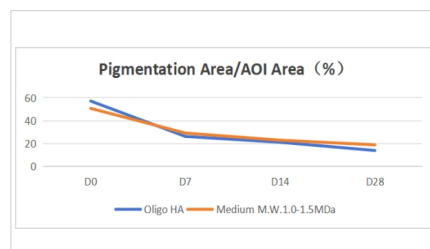
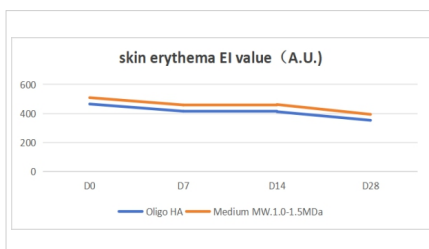
**28-day study:** Provides rapid hydration and moisturization

**Clinical assessment:** Sustained reduction in pigmentation and erythema index.

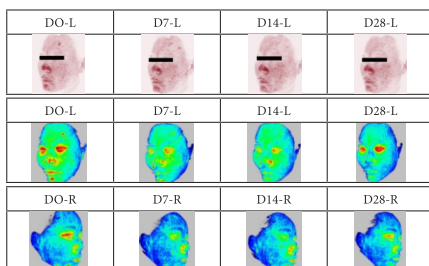


**Remark:** Sample name: Cream with 0%, 0.05%, 0.07% and 0.1% ProHA<sup>®</sup> Medium molecular weight. Tested in 28 volunteers within 7 hours.

**Conclusion:** ProHA<sup>®</sup> Medium molecular weight has significant moisturizing function. More concentration of HA solution has better instant and continuous moisturizing ability



**Conclusion:** Smaller values of erythema index (EI), pigmentation area/ AOI area and skin color a\* value suggest that the tested product has repairing efficacy.



After using the samples for 7 days, 14 days and 28 days, ProHA<sup>®</sup> Medium molecular weight has tested to have significant skin repair ability.

### CLAIMS:

- Protects and recovers from UV-induced dryness and pigmentation
- Restores hydration balance instantly and long-term
- Improves skin comfort and radiance
- Proven barrier and repair support
- Suitable for stressed or sun-exposed skin

### CERTIFICATION:



**COSMOS  
APPROVED**