



TOPSCIENCE 众山

# ACEHYA-致润

## Sodium Acetylated Hyaluronate

Material Submission Code:  
007772-00507-3414

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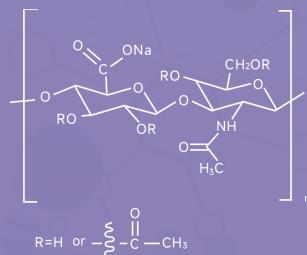
## INCI NAME: SODIUM ACETYLATED HYALURONATE

### MOLECULAR FORMULA:

$(C_{14+2x}H_{20+2x}NO_{11+x}NaR_4)_n$ , x means degree of acetylation

DEGREE OF ACETYLATION: 2.85~3.90

RECOMMENDED DOSAGE: 0.01%~0.1%



## PRODUCT FEATURE



High safety, mild nature, long-lasting moisturizing. It can repair damaged cells, and it is suitable for a wide range of users.



It has a strong affinity for the skin, which can effectively reduce the evaporation of moisture from the deep layer of the skin, locking the water, improving dry skin, and increasing the elasticity of the skin.

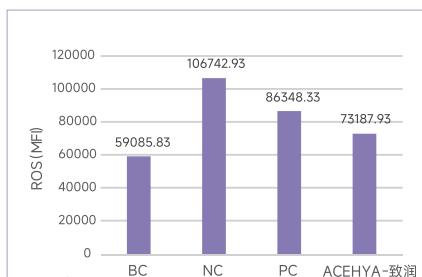


It has hydrophilic and lipophilic amphiphilic properties, and the water binding ability in the stratum corneum is higher than that of conventional hyaluronic acid, which can play a long and hydrating ability.



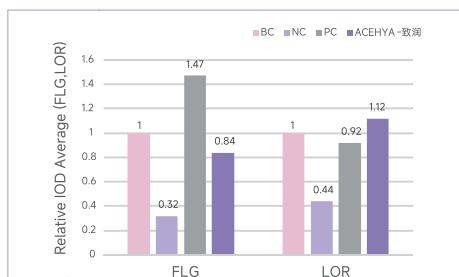
It can promote the proliferation of epidermal cells, deeply repairing damaged epidermal cells, enhancing the cuticle barrier function, and improving the natural resistance of skin.

## EFFICACY STUDY



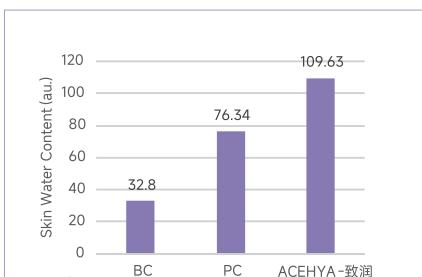
### Antioxidant Efficacy

The experimental data shows that the ROS of the sample group is significantly decreased, which means Sodium Acetylated Hyaluronate could clean or inhibit the ROS, and prevent toxicity and oxidative stress damage to cells.



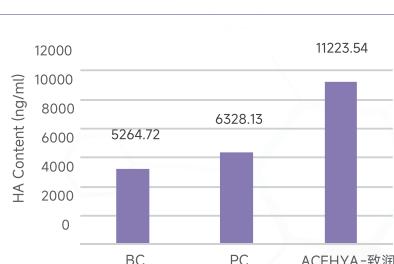
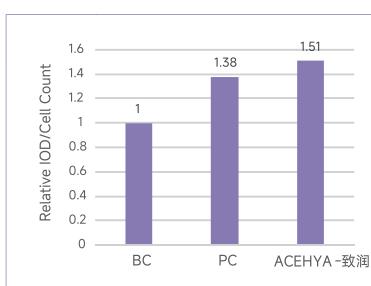
### Repairing Efficacy

The experimental data shows that the FLG and LOR of the sample group are increasing, and the changes in tissue morphology are improved. It means Sodium Acetylated Hyaluronate could promote barrier protein synthesis and improve the cell barrier damage.



### Skin Hydration Efficacy

The experimental data shows that the changes in skin water content are increased, which means Sodium Acetylated Hyaluronate could effectively absorb and lock water in the skin, enhancing the moisture barrier.



### Firming Efficacy

The experimental data shows that the Collagen I and Hyaluronic Acid (HA) of the sample group are increasing, which means Sodium Acetylated Hyaluronate could promote the increase of Collagen I and HA content, increasing elasticity and tension and improving dry and loose skin.

## PACKAGE AND STORAGE

1. 100g/bottle, 1kg/bag, 5kg/bag or customized package. Pharmaceutical high-density polyethylene (HDPE) bottle or pharmaceutical low-density polyethylene (LDPE) bag with outer aluminum foil bag.
2. In an airtight container, protected from light and humidity, 2-8°C.