



Novel HA designed for Color Cosmetics

# Hyacolor™ -LA

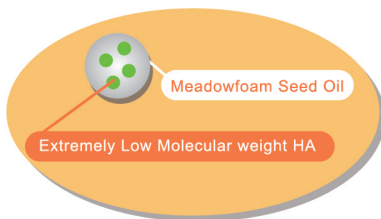
Hydrating · Natural Care



Hyacolor-LA (Oil-dispersed Sodium Hyaluronate), a new type of Sodium Hyaluronate (HA) designed for color cosmetics, is obtained by the combination of extremely low molecular weight HA and Meadowfoam seed oil through the unique HA microsphere technology. The perfect combination of HA and botanical oil will permit water soluble-HA to be easily applied into the color cosmetic formulations which are mainly based on oily ingredients. Hyacolor-LA can provide significantly moisturizing ability, and nourish the skin from inside out, then improve skin dryness and roughness.

## The microsphere structure of Hyacolor-LA

Meadowfoam seed oil, as the outer component of Hyacolor-LA, owns excellent skin affinity and nourishing ability. The inside part is based on the extremely low molecular weight HA, which has good transdermal absorption, hydration and repairing ability.



## Product instruction:

**[INCI name]** Sodium Hyaluronate, Limnanthes Alba (Meadowfoam) Seed Oil, Glyceryl Behenate

**[Recommend dosage]** 0.1%~2.0%

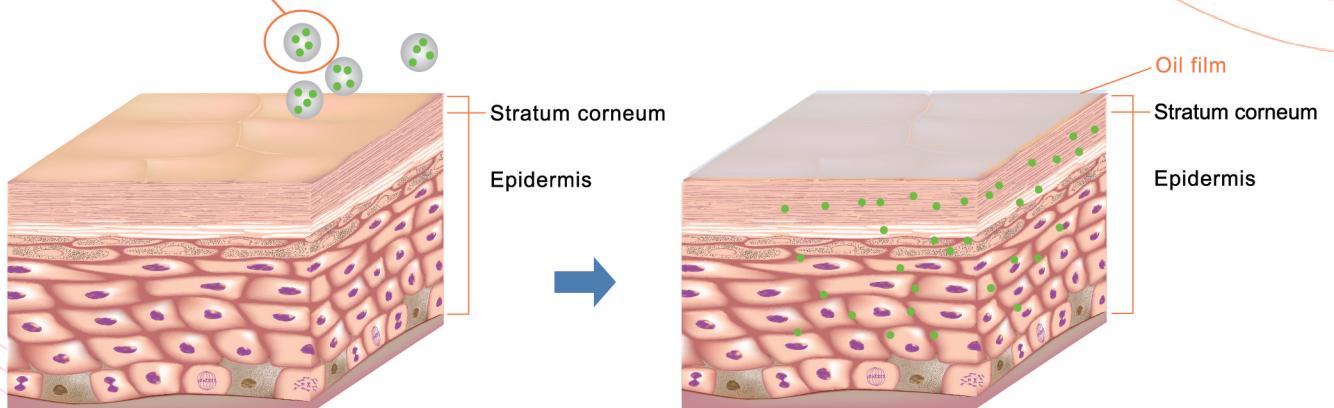
### **[Usage]**

Moisturizing for Color cosmetic products such as lipstick, lip gloss, lip liner, air cushion cream, foundation, pressed powder, etc. Especially recommended in lip-care products for moisturizing and improving the dryness and roughness of lips.

### **[Application]**

Treat other ingredients firstly through processes such as heating, homogenizing, or emulsifying, etc., cool down to not lower than 70℃, then add the product into the formulation. Stirring is necessary in this process.

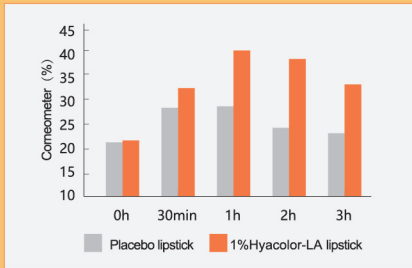
## The action mechanism of Hyacolor-LA



When applied Hyacolor-LA onto the skin surface, the microsphere will easily break down, thus allowing the extremely low molecular weight HA to be released and penetrate into the skin quickly, for water-holding and water-locking, and nourish the skin from inside. The outer layer of meadowfoam seed oil can form an oil film on the skin surface to prevent water evaporation and improve moisture accumulation from inside. The double moisturizing efficacy of Hyacolor-LA can hold water from outside and bind water from inside and improve skin dryness and roughness directly from within.

## Efficacy evaluation

### Hydrating



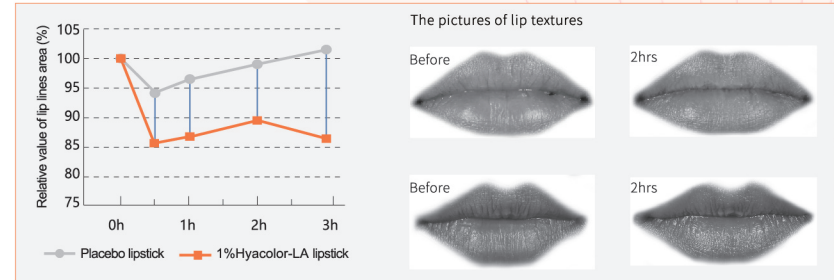
Subjects: 30 healthy women  
Instrument: Corneometer CM825  
Sample: Lipstick containing 1% Hyacolor-LA as trial group, not containing Hyacolor-LA as placebo group

Results show that, the skin hydration of two groups increased diversely after a short time application, and Hyacolor-LA group shows better moisturizing effect than Placebo group. The skin hydration of Hyacolor-LA group is increased by 50.7% after 30min application, increased by 85.6% after 1 hour application. Hyacolor-LA can hold and bind water quickly to increase skin hydration, while keeping skin moisturized over 3 hours.

### Skin Roughness

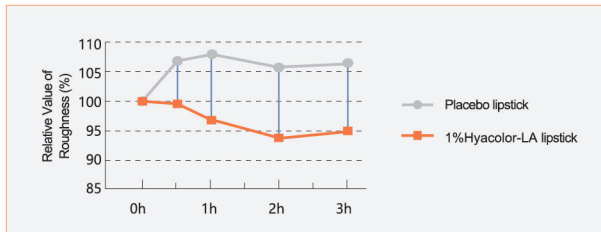
Subjects: 30 healthy women with dry/rough lips, divided to two groups.  
Instrument: VISIA CR, Cutometer MPA580  
Sample: One group used 1% Hyacolor-LA lipstick, the other group used placebo lipstick.

#### Texture evaluation



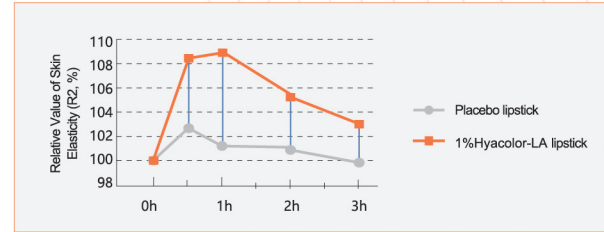
Results of the pictures and software analysis shown a marked improvement of lip textures in the test area and the lip fine lines are reduced a lot by the application of Hyacolor-LA. The relative value of lip lines area is reduced by 14% after 30min application.

#### Smoothness evaluation



Results show that, Hyacolor-LA can improve skin roughness and smooth the dry lips. The relative value of roughness is reduced by 6.1% after 2 hours application.

#### Softness evaluation



Hyacolor-LA can provide instantly hydrating ability and improve the elasticity and softness of lips. The relative value of elasticity is increased by 8.3% after 1 hour application.

Hyacolor-LA, with its high content of extremely low molecular weight HA and meadowfoam seed oil, can hold water from outside and bind water from inside. The double moisturizing efficacy of Hyacolor-LA, can improve the textures, smoothness, and softness of dry and rough lips.

## Product features of Hyacolor-LA

**High Stability** Select one of the most stable plant oils in the wilderness

Meadowfoam seed oil contains high concentration (>95%) of triglycerides with long chain fatty acids (C20-C22), owns high oxidation stability index and does not easily show oxidative rancidity.

**Excellent nourishing** Synergy moisturizing effect of HA and Meadowfoam Seed Oil improve skin dryness and roughness.

Extremely low molecular weight HA can penetrate into the skin for water-holding and water-locking. Meadowfoam seed oil can form an oil film on the skin surface to improve moisture accumulation from inside.

**High safety** Skin patch tests show that the cutaneous reactions of 30 volunteers are all negative.

Extremely low molecular weight HA is manufactured by patented enzymatic degradation, having complete structure, high purity, and high safety. Meadowfoam seed oil is produced by cold-pressed process and has no residual chemical.



### BLOOMAGE FREDA BIOPHARM CO., LTD.

Add: No.678 Tianchen St., High - Tech Development Zone, Jinan, China 250101  
Tel: +86 531 82685998 Fax: +86 531 82685988  
www.bloomagefreda.com E-mail: customer@bloomagefreda.com  
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