

## Instruction

INCI name	Sodium Hyaluronate, Ricinus Communis (Castor) Seed Oil, Hydrogenated Castor Oil
Description	Ivory white to light yellow, ointment
Melting range	65~80°C
Function	Lip-plumping, repairing, moisturizing
Recommended dosage	0.1%~2.0%
Usage	Color cosmetic products Lip products such as lipstick, lip gloss, etc.. Makeup products such as foundation, BB cream, etc..
Application	Treat other ingredients at first through processes such as heating, homogenizing, or emulsifying, etc., cool it to temperature of not lower than 72°C (melting point of product), and then add this product into the system. Stirring is necessary in this process.

### The Formula of lipstick

INCI name	Wt/%
POLYETHYLENE	10
BEESWAX	5
CERA MICROCRISTALLINA	2.5
SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL	3
BUTYROSPERMUM PARKII (SHEA BUTTER)	1
TOCOPHERYL ACETATE	0.5
POLYISOBUTENE	15
MINERAL OIL	27.9
PETROLATUM	15
CAPRYLIC/CAPRIC TRIGLYCERIDE	10
SQUALANE	4
ETHYLHEXYL PALMITATE	5
Hyacolor	1.0
PARFUM	0.1

### Procedure

- 1 Add all ingredients except Hyacolor and perfume, heat to 90~95°C, and then cool the system while stirring.
- 2 Add Hyacolor into the system while stirring when the temperature of the system has reached 80~85°C then continue to cool down while stirring.
- 3 Add parfum into the system while stirring when the temperature of the system is around 80°C and keep the temperature at 75~80°C while stirring, then move to the filling process.

*Attention: Stirring is necessary in all process.*

# Hyacolor™

## Oil-dispersed Sodium Hyaluronate

- High content of Natural Moisturizing Factor-Sodium Hyaluronate (HA)
  - Unique HA microsphere technology
  - Perfect transdermal absorption
- Excellent Lip-plumping, Repairing, Moisturizing



「The Natural Moisturizing Factor-Sodium Hyaluronate (HA) can be easily applied in color cosmetics, and provide moisturizing and repairing effects for makeup products.」



# Hyacolor

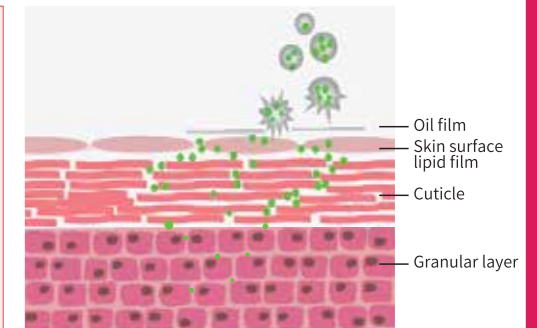
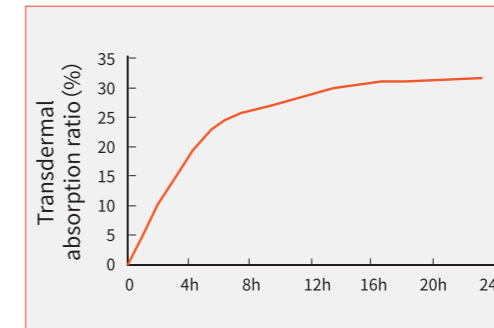
## Oil-dispersed Sodium Hyaluronate



Hyacolor is obtained from small molecule of sodium hyaluronate (HA) and botanical oils through a special technology. The small molecule of HA is evenly dispersed in the oil phase in the form of microspheres: this permits to apply the water soluble-HA in color cosmetic formulations which are mainly based on oily ingredients. Hyacolor has lip-plumping, repairing, moisturizing effects and can be used in makeup and lip products, such as foundation, BB cream, lipstick, lip gross, etc..

### Transdermal absorption

Hyacolor has good skin affinity because of its lipophilic outer layer and it can easily release the inside HA molecule when applied onto the skin. The small molecule of HA will penetrate into the skin quickly and nourish the skin from inside out.



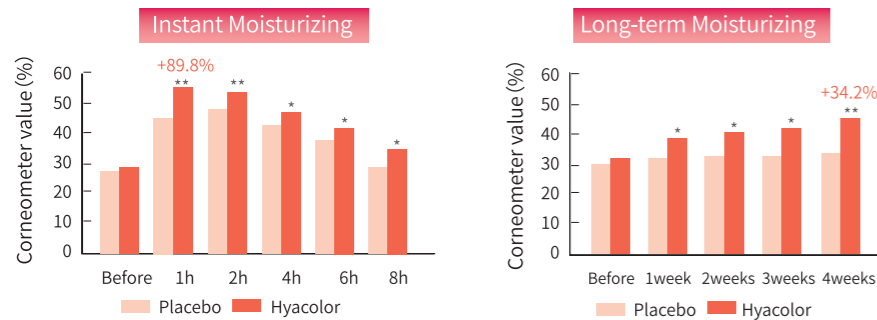
Mechanism of action

- The transdermal absorption ratio increases rapidly after applying Hyacolor, and the total absorption is higher than 30%.
- Instrument: Side-Bi-Side Cell (PermeGear)

## 1 Moisturizing effect

### • Moisturizing effect of BB cream containing Hyacolor

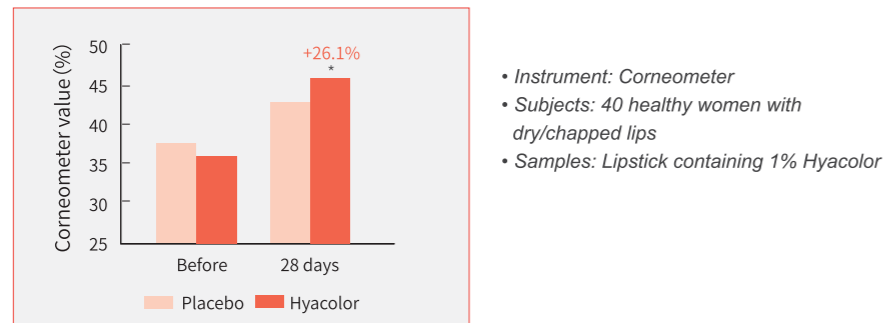
The lipophilic ingredients, in HA microsphere, can form an oil film on the skin to prevent water evaporation from inside the skin. The small molecule of HA can penetrate into the skin and hydrate the skin instantly. After long-term application, Hyacolor can significantly increase the skin hydration and keep the skin moisturized constantly.



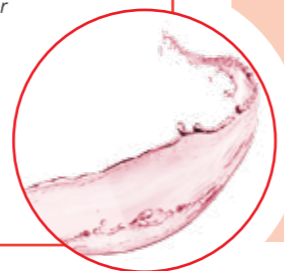
Instrument: Corneometer CM825 Subjects: 30 healthy women Sample: BB cream containing 1% Hyacolor

### • Moisturizing effect of lipstick containing Hyacolor

After 28 days application of lipstick containing Hyacolor, the skin hydration increase significantly.



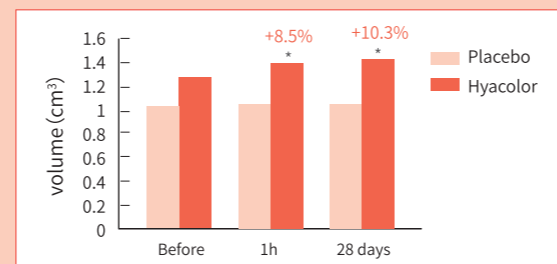
- Instrument: Corneometer
- Subjects: 40 healthy women with dry/chapped lips
- Samples: Lipstick containing 1% Hyacolor



## 2 Lip-plumping effect

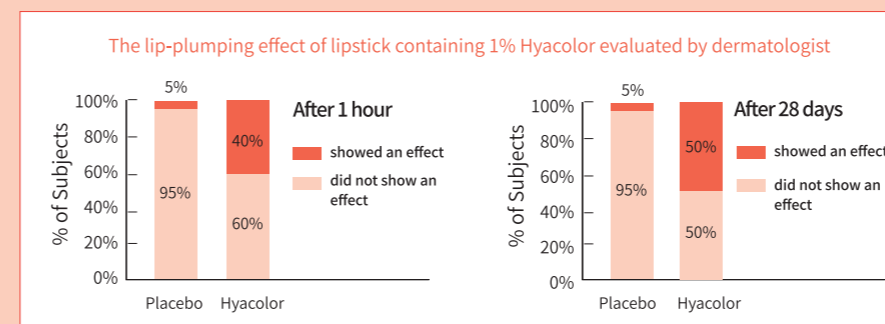
### • Instrumental evaluation

After 1 hour application, the lips volume of volunteers from Hyacolor group is increased by 8.5%, compared with 1.1% from the control group. After 28 days application the lips volume of volunteers from Hyacolor group is increased by 10.3%, compared with 2.2% from the control group. Results show that, Hyacolor has significant lip-plumping effect.



• The lip-plumping effect of the product can increase the height of both the upper and the lower lip, so the lip-plumping effect is evaluated by lips volume which is calculate by high resolution digital images.

### • Clinical evaluation



Results show that 40% of the enrolled subjects have obvious lip-plumping effect after 1 hour application. 50% of the enrolled subjects record significant lip-plumping effect after 28 days application.

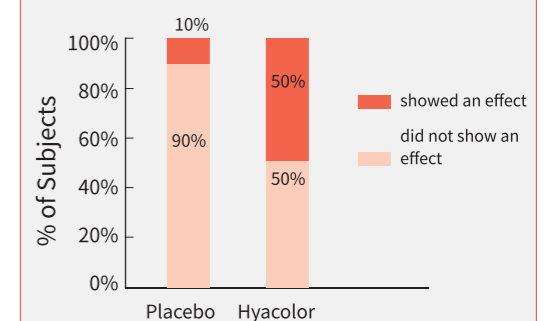
- Samples: Lipstick containing 1% Hyacolor

## Efficacy evaluation

## 3 Repairing effect

### • Clinical evaluation

The repairing effect of lipstick containing 1% Hyacolor evaluated by dermatologist



The repairing assessment is carried on 40 healthy women with dry/chapped lips. Results show that 50% of the enrolled subjects record significant repairing effect after 28 days of application. The dry or chapped conditions of lips have improved sensibly and the lips are feeling smooth and soft.

- Samples: Lipstick containing 1% Hyacolor

