

Cationic Hyaluronate

THE BEST SOLUTION FOR SKIN AND HAIR



ECSA ITALIA Srl Società con Unico Socio

Via Laboratori Autobianchi 1
I-20832 Desio (MB)
T. +39 0362 625 421



ecsa-chemicals.ch
CONTATTACI

The Cationic Hyaluronate with the cation has a positive charge, which can attract the negative charge of human hair surface. It can be well adsorbed on the hair surface and is resistant to washing. Therefore, it can give full play to the moisturizing performance of Sodium Hyaluronate.

Details

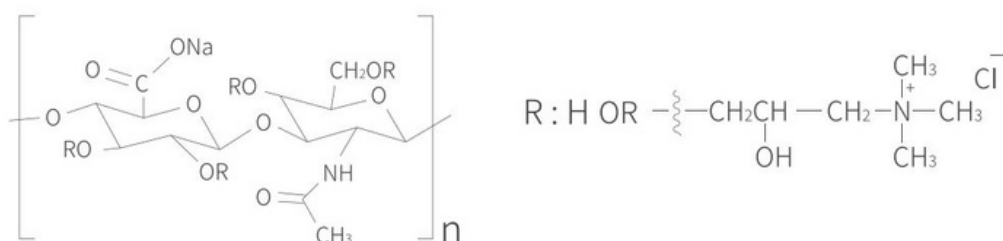
PRODUCT NAME: Cationic Hyaluronate

INCI NAME: Hydroxypropyltrimonium Hyaluronate

MOLECULAR FORMULA: $(C_{14}H_{(20-x)}NO_{11}Na(C_6H_{15}NOCl)_x)_n$,
x stands for the degree of cationization

THE DEGREE OF CATIONIZATION: 0.15~0.60

Structural Formula



Preparation Method

Cationic Hyaluronate is obtained from synthesized with Sodium Hyaluronate and cationic reagents.

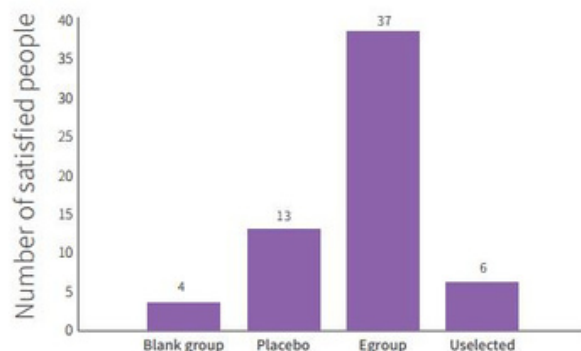
PRODUCT SPECIFICATIONS	
Appearance	White To Pale Yellow Powder Or Granules
pH	5.0~7.5 (0.5% Solution)
Intrinsic Viscosity	Report The Test Value
Absorbance	≤ 0.25 (0.5% Solution, 280nm)
Light Transmittance	$\geq 99.0\%$ (0.5% Solution)
Protein	$\leq 0.1\%$ (On The Dried Substance)
Loss On Drying	$\leq 10.0\%$
Residue On Ignition	$\leq 15.0\%$
Heavy Metals	$\leq 20\text{ppm}$
D-glucuronic Acid Content	37.0% ~ 46.0% (On The Dried Substance)
Total Aerobic Microbial Count	$\leq 100\text{cfu/g}$
Total Combined Yeasts/ Mould Count	$\leq 10\text{cfu/g}$



Product feature

1. Cationic Hyaluronate can be used as an exclusive moisturizing agent for personal care products. It is natural and mild, suitable for hair and scalp care, can significantly enhance the hydration and moisturizing ability of the scalp, moisturize the scalp, improve the itching and dandruff caused by dry and astringent scalp.
2. Cationic Hyaluronate has kinds of abilities: adsorbability and high affinity. It is resistant to washing, permeability and efficiently plays the role of moisturizing and nourishing.
3. Cationic Hyaluronate can protect skin against the irritation of surfactant and make the skin more smooth and soft.
4. Cationic Hyaluronate has permeability, absorbability and film-forming properties, to eliminate free radicals, regulate metabolism, promote the repair of scalp cells, improve the function of scalp barrier, effectively reduce the damage of ultraviolet rays to hair and skin.

According to the satisfaction trial, sixty volunteers were offered three kinds of shampoos: one with a blank (blank group), one with a placebo (placebo group) and one with Cationic Hyaluronate (experimental group). On the basis of their shampoo frequency, volunteers use each shampoo 3~4 times and vote for the most smooth and satisfying shampoo. The result shows that volunteers were more satisfied with the shampoo with Cationic Hyaluronate included. And most of them indicated that this shampoo made hair more smooth and silky.



Application

Haircare products: Shampoo, hair mask, essential oil, etc.
 Cleaning care products: Facial cleanser, cleaning soap, body wash, etc.
 Skincare products: Toner, lotion, face cream, etc.

Dosage

0.1%~1.0%

CONTACT US FOR FURTHER INFORMATION

Packaging, example of formulation and a complete presentation are available on request