



# Unilong Industry Co., Ltd

Add: No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China

## Technical Data Sheet

**Product Name: Hydroxypropyltrimonium Hyaluronate**

**CAS:1714127-68-0**

**Molecular Formula:  $(C_{14}H_{(20-x)}NO_{11}Na(C_6H_{15}NOCl)_x)_n$**

**x: Degree of Cationization**

### Technical Indicators:

ITEM	STANDARD
Gluconic acid dry basis content	37.0~46.0%
pH value	5.0~7.5
absorbance	$A_{280nm} \leq 0.25$
transmittance	$T_{550nm} > 99.0\%$
Loss on drying	$\leq 10.0\%$
residue on ignition	$< 15\%$
kinematic viscosity	2~10 mm <sup>2</sup> /s
Cationic degree	0.15~0.60
protein	$\leq 0.1\%$
Heavy metals (calculated in Pb)	$< 20\text{mg/kg}$
Total Colony Number	$\leq 100\text{CFU/g}$
Mold and Yeast	$< 50\text{CFU/g}$
Staphylococcus aureus	Not detectable/g



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Pseudomonas aeruginosa	Not detectable/g
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## Application:

Cationic Sodium Hyaluronate Solution, In addition to the moisture of sodium hyaluronate, it has good absorption and affinity for skin and hair, is not easy to be washed off, and can play the role of moisturizing and moisturizing continuously and efficiently. It has good conditioning effect, enhances skin moisturizing efficiency and reduces irritation. It further improves the moisture and adhesion function of sodium hyaluronate, effectively improves the flexibility of hair, and effectively repairs damaged hair strands.

Shampoo and hair care: shampoo, hair mask, essential oil, etc

Cleaning: facial cleanser, cleaning soap, body wash, clothing finishing agent, etc

Skin care: toner, lotion, cream, etc

## Packaging:

100g/bottle.1kg/bag, 5kg/bag