



Medical Device Grade Sodium Acetylated Hyaluronate

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INCI NAME: SODIUM ACETYLATED HYALURONATE

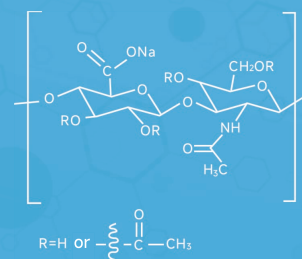
MOLECULAR FORMULA:

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

DEGREE OF ACETYLATION: 2.85~3.90

RECOMMENDED DOSAGE: 0.01%~0.5%

SOLUBILITY: Soluble in water



PRODUCT ADVANTAGE



Enhanced Moisturizing Capacity

Acetylation improves skin affinity and adsorption, forming a breathable moisturizing barrier that minimizes water evaporation.



Extended Stability

Slows enzymatic degradation, prolongs in vivo half-life, and ensures longer-lasting efficacy.



Improved Compatibility

Enables stable blending with oil phases, facilitating versatile dosage form development.



PRODUCT SPECIFICATION

Items	Specifications	Method
Characters	White to light yellow powder or granules	Visual inspection
Identification A. Infrared absorption B. Reaction of sodium C. Reaction of uronic acid	Characteristic absorption Positive Positive	Ph.Eur.(2.2.24) ChP Ph.Eur.
Appearance of solution	Clear liquid	Visual inspection
pH (0.1%)	5.0~7.0	ChP 0631
Sulfated ash	11.0%~16.0%	ChP 0841
Loss on drying	≤ 10.0%	ChP 0831
Intrinsic viscosity	Report the test value	JSQI
Acetyl group	2.85~3.90	JSQI
Nitrogen	2.0%~3.0%	ChP 0704 Method III
Heavy metals	≤ 20 ppm	ChP 0821 Method II
Arsenic	≤ 2 ppm	ChP 0822 Method I
Bacterial endotoxins	< 0.5 EU/mg	ChP 1143
Total combined yeasts/mould count	≤ 30 cfu/g	ChP 1105
Total aerobic microbial count	≤ 30 cfu/g	ChP 1105
Escherichia coli	Absent/g	ChP 1106
Bile-Tolerant Gram-Negative Bacteria	Absent/g	ChP 1106
Staphylococcus aureus	Absent/g	ChP 1106
Pseudomonas aeruginosa	Absent/g	ChP 1106



APPLICATION

Applied in wound dressings, medical aesthetics, tissue engineering, and other related fields.



PACKAGE AND STORAGE

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