

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Sodium Hyaluronate		
<b>Grade</b>	Cosmetic grade		
<b>Test Method</b>	QB/T 4416-2012		
<b>Batch Number</b>	20241006	<b>Manufacture Date</b>	20241006
<b>Report Date</b>	20241006	<b>Expiry Date</b>	20261005

Item of Analysis	Specification	Results
Appearance	White or almost white powder or granules	Complies
Infrared absorption	Positive	Complies
Reaction of sodium	Positive	Complies
Absorbance	≤0.25	0.08
Transparency	≥99.0%	100.0%
pH	6.0~7.5	6.2
Intrinsic viscosity	(23.64~29.59)dL/g	28.96dL/g
Molecular weight	(1.50~2.00) × 10 <sup>6</sup> Da	1.95 × 10 <sup>6</sup> Da
Kinematic viscosity	Actual value	74.00mm <sup>2</sup> /s
Loss on drying	≤10%	8.40%
Residue on ignition	≤20%	18.98%
Heavy metals	≤20ppm	<20ppm
Arsenic	≤2ppm	<2ppm
Protein	≤0.1%	0.03%
Assay	≥95.0%	97.2%
Glucuronic acid	≥46.0%	47.0%
<b>Microbiological Purity</b>		
Total bacterial count	≤100CFU/g	<10CFU/g
Yeasts & mold	≤20CFU/g	<10CFU/g
E. coli	Negative	Negative
Staph	Negative	Negative
Pseudomonas aeruginosa	Negative	Negative

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

