

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name:	Sodium Hyaluronate
Batch Number:	242-20240521
Manufacture Date:	May 21, 2024
Expiry Date:	May 20, 2027
Shelf life:	3 years when properly stored
Storage condition:	Seal and store in a cool and dry place, avoiding direct sunlight

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	White or almost white powder or granule	Complies
Odor	Characteristic	Complies
Taste	Characteristic	Complies
Loss on Drying	≤10.0%	8.90%
Residue on Ignition	≤20.0%	15.44%
pH	5.0 - 8.5	6.1
Molecular Weight	(0.8–1.2) ×10 ⁶ Dalton	0.88×10 ⁶ Dalton
Particle Size	100% pass 60 mesh	Complies
Transparency	≥99.0%	Complies
Protein	≤0.1%	0.082%

Heavy Metals

Analysis Item	Specification	Result
Heavy Metals	≤10 ppm	Complies
Arsenic (As)	≤2 ppm	Complies
Lead (Pb)	≤2 ppm	Complies
Cadmium (Cd)	≤1 ppm	Complies
Mercury (Hg)	≤0.1 ppm	Complies

Assay

Analysis Item	Specification	Result
Sodium Hyaluronate	≥95.0%	95.49%
Glucuronic Acid	≥44.0%	46.19%

Microbiological Tests

Analysis Item	Specification	Result
Total Plate Count	≤ 1000 CFU/g	<10 CFU/g
Mould	≤ 100 CFU/g	<10 CFU/g
Yeast	≤ 100 CFU/g	<10 CFU/g
Coliforms	≤ 0.92 MPN/g	Negative
Salmonella	Negative	Complies

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