



XI'AN GREEN SPRING TECHNOLOGY CO., LTD.

CERTIFICATE OF ANALYSIS

Product Name:	Sodium Hyaluronate
Synonyms:	Hyaluronic Acid, Hyaluronic acid sodium salt
Description:	White Fine powder or granule
Grade:	Cosmetic Grade
Source:	Fermentation
Identification:	Passes all criteria tests
Batch No	230618
Batch quantity:	800kgs
Analysis Date:	Jun 22,2023
Country of Origin:	China

Item	Specification	Results
Infrared Absorption	The infrared absorption spectrum should be consistent with the control spectrum	Complies
Sodium salt identification reaction	Should show the positive reaction of sodium salt	Complies
Glucuronic acid	≥45.00%	46.59%
Assay of Sodium Hyaluronate	≥95.00%	97.05%
Average molecular weight	(0.8-1.5)*10 ⁻⁶ Dalton	1.3038*10 ⁻⁶ Dalton
Loss on drying	≤10.00%	7.09%
Strong heat residue	≤20.00%	11.3%
PH	5.0~8.5	6.52
Dynamite viscosity	/	43.2m ² /s
Transparency(0.1% Solution)	≥99.0%	99.9%
Intrinsic viscosity value(dL/g)	14.48-23.64	21.19
Proteins	≤0.05%	0.041%
Organic volatile impurities	Meet the requirements	Complies
Heavy Metals	≤10ppm	Complies
Arsenic (As)	≤1ppm	Complies
Lead (Pb)	≤2ppm	Complies
Cadmium (Cd)	≤0.5ppm	Complies
Mercury (Hg)	≤0.5ppm	Complies
Microbiological control		
Total plate count	≤100cfu/g	Complies
Yeast & mold	≤50/cfu/g	Complies

E.coil	Negative	Negative
Salmonella	Negative	Negative

Storage **Cool & dry place, Do not freeze.** **Keep away from strong light and heat.**
Shelf **3 year when properly stored.**

