



Certificate of Analysis

Origin: Fermentation

Name	Sodium Hyaluronate	Grade	Sterility
Package	100g/bottle	Test Method	In house
Lot No.	TSH240602_22	Quantity	6.71 kg
MFG Date	Jun. 12th, 2024	Retest Date	Jun. 11th, 2026

Appearance	White or almost white powder or fibrous aggregate	Complies
Identification A. Infrared absorption	The IR spectrum of the sample exhibits maxima at the same wavelength as that of Ph. Eur. Reference spectrum of sodium hyaluronate	Complies
Reaction of sodium	Positive	Positive
Appearance of solution	Clear and the absorbance is NMT 0.01 at 600 nm	Clear, A_{600} nm=0.0005
Ph	5.0~8.5(0.5% solution)	6.8
Intrinsic viscosity	Test value	2.12 m ³ /kg
Nucleic acids	The absorbance is NMT 0.05 at 260 nm	0.02
Protein	≤0.05%	<LOD(0.03%)
Chlorides	≤0.5%	<0.5%
Loss on drying	≤10%	6.9%
Iron	≤20ppm	6.9 ppm
Heavy metals	≤10ppm	<10ppm
Residual solvents (Ethanol)	≤0.5%	0.01%
Assay	95.0%-105.0%	101.9%
Bacterial endotoxins	<0.05IU/mg	<0.05IU/mg
Sterility	No growth of microorganisms occurs	Complies

Conclusion: The results meet the requirements of in-house standard (STP01174/00).

