

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-04 13:54:39

Date of Next Testing: 2028-11-03 13:54:39

Product Name: **Hyaluronic acid sodium salt from Streptococcus equi**

CAS Number: 9067-32-7

Specifications & Purity: $\geq 95\%$

Lot #: J2429187

SKU #: **H107141**

Version: **0**

Analysis #: **119660**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Molecular Weight	1350000-1650000	1350000.00000
Loss on drying	0-10 (%)	8.00000 %
Purity(as dry basis)	95-105 (%)	95.70000 %
total bacterial count	0-100 (cfu/g)	55.00000 cfu/g
Ignition Residue	0-20 (%)	19.00000 %
pH	6-8	6.30000
Protein Content	0-0.15 (%)	0.03000 %
Heavy metals	0-20 (ppm)	13.00000 ppm
Chloride (Cl-)	0-0.5 (%)	0.30000 %
Total yeasts and molds count(TYMC)	0-100 (cfu/g)	61.00000 cfu/g
Glucuronic acid	≥ 42 (%)	46.30000 %
Appearance of Solution(A600)	0-0.01	0.01000
Iron(Fe)	0-80 (ppm)	75.00000 ppm
Nucleic Acids(A257)	0-0.3	0.25000
Appearance (H107141)	White to Off-White Powder or Granules	White to Off-White Powder or Granules
Pseudomonas Aeruginosa	Negative	Negative
Staphylococcus Aureus	Negative	Negative
Appearance (solution)	passes test	Passes test
Escherichia Coli	none detected	none detected



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager