

## Certificate of Analysis

Date of Testing: 2022-03-18 10:45:06  
 Date of Next Testing: 2026-03-17 10:45:06  
 Product Name: **Hyaluronic acid sodium salt from Streptococcus equi**  
 CAS Number: 9067-32-7  
 Specifications & Purity: 95%  
 Lot #: C2215298  
 SKU #: **H107141**  
**Analysis: 025888**  
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Appearance of Solution(A600)	0-0.01	0.00
Molecular Weight	1350000-1650000	1440000.00
Loss on drying	0-10 (%)	9.20 %
Purity(as dry basis)	95-105 (%)	96.80 %
total bacterial count	0-100 (cfu/g)	85.50 cfu/g
Ignition Residue	0-20 (%)	19.00 %
PH	6-8	6.10
Protein Content	0-0.15 (%)	0.03 %
Heavy metals	0-20 (ppm)	14.44 ppm
Chloride (Cl-)	0-0.5 (%)	0.02 %
Total yeasts and molds count(TYMC)	0-100 (cfu/g)	46.87 cfu/g
Iron(Fe)	0-80 (ppm)	10.50 ppm
Glucuronic acid	≥42 (%)	46.80 %
Nucleic Acids(A257)	0-0.3	0.01
Appearance (H107141)	White to Off-White Powder or Granules	White to Off-White Powder or Granules
Appearance (solution)	passes test	transparent
Escherichia Coli	none detected	none detected
Pseudomonas Aeruginosa	Negative	Negative
Staphylococcus Aureus	Negative	Negative



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager