

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-27 11:00:09

Date of Next Testing: 2028-04-26 11:00:09

Product Name: **Hyaluronic acid (HA-THM)**

CAS Number: 9067-32-7

Specifications & Purity: molecular weight ≥ 1.8 MDa

Lot #: D2521222

SKU #: **H293496**

Version: **1**

Analysis #: **497543**

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

Parameter	Limit Values	Result
PH (0.10g/100ml water)	6.0-7.5	6.50000
Transmittance (0.5% in water)	> 99 (%)	99.80000 %
loss on drying(110°C,15min)	<15 (%)	8.00000 %
Molecular Weight	≥ 1800000 (Da)	2040000.00000 Da
Protein	<0.05 (%)	0.02500 %
Heavy metals	<20 (ppm)	10.00000 ppm
Glucuronic acid	> 46 (%)	47.00000 %
Sodium hyaluronate	> 95 (%)	97.20000 %
intrinsic viscosity	≥ 27.2 (DL/G)	30.10000 DL/G
Appearance (H293496)	white to off white powder or Granule	white to off white powder or Granule
Infrared spectrum	Conforms to Structure	Conforms to Structure
Response to the tests for Sodium (ICP)	conforms	Conforms
Microbial Detection	Pass	Pass



John Su
QA & QC Manager