

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-07 08:41:51  
Date of Next Testing: 2027-08-06 08:41:51  
Product Name: **Hyaluronic acid (HA-TLM)**  
CAS Number: 9067-32-7  
Specifications & Purity: 800KDa~1.0MDa  
Lot #: H2302800  
SKU #: **H293501**  
Version: **1**  
Analysis #: **252661**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
PH (0.10g/100ml water)	6.0-7.5	6.20000
Transmittance(0.5g/100ml water,550nm)	>99 (%)	99.90000 %
loss on drying(110°C,15min)	<10 (%)	6.30000 %
intrinsic viscosity	<17.3 (DL/G)	14.90000 DL/G
Heavy metals	0-20 (ppm)	19.60 ppm
Appearance(H293501)	white to off white powder or Granule	white to off white powder or Granule
Infrared spectrum	Conforms to Structure	Conforms to Structure
ICP: Confirms Sodium Component	Confirmed	Confirmed



John Su  
QA & QC Manager