

Certificate of Analysis

Date of Testing: 2024-07-01 11:32:09
Date of Next Testing: 2027-07-01 11:32:09
Product Name: **Hyaluronic acid (HA-THM)**
CAS Number: 9067-32-7
Specifications & Purity: molecular weight $\geq 1.8\text{MDa}$
Lot #: F2428314
SKU #: **H293496**
Version: **1**
Analysis #: **355133**
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
PH (0.10g/100ml water)	6.0-7.5	6.70000
Transmittance (0.5% in water)	> 99 (%)	99.90000 %
loss on drying(110°C,15min)	<15 (%)	8.30000 %
Molecular Weight	≥ 1800000 (Da)	2190000.00 Da
intrinsic viscosity	≥ 27.2 (DL/G)	31.80000 DL/G
Protein	<0.05 (%)	0.02600 %
Glucuronic acid	> 46 (%)	47.30 %
Sodium hyaluronate	> 95 (%)	97.70000 %
Heavy metals	<20 (ppm)	18.00 ppm
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