



QINGDAO HAOSAIL SCIENCE CO.,LTD

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CERTIFICATE OF ANALYSIS

PH008.300

Product Name	Hyaluronic acid HW
Batch Number	22101102
Lot Quantity	25KG
MFG.Date	Oct.11.2022
RETEST.Date	Oct.10..2025
Country of Origin	China

Items of Analysis	Specification	Results
Apparance	White or almost white powder or granule	Conform
Glucuronic acid	≥44.5%	46.40%
Sodium Hyaluronate	≥92.0%	96.00%
PH	5.0~8.5	6.6
Transparency	≥99.0%	99.90%
Molecular weight, Da	As per request	1660KDa
Intrinsic Viscosity	Measured value	25.5dL/g
Protein	≤0.10%	0.04%
Bulk density	Measured value	0.30g/cm ³
Tap density	Measured value	0.41g/cm ³
Residue on ignition	≤20.0%	11.90%
Loss on drying	≤10.0%	8.60%
Heavy metals (Pb)	≤20ppm	<10ppm
Bacteria count	≤100cfu/g	Conform
Mold and yeast	≤50cfu/g	Conform
Pseudomonas aeruginosa	Negative	

For and on behalf of
 QINGDAO HAOSAIL SCIENCE CO.,LTD
 青島浩賽生物科技股份有限公司

Authorized Signature(s)

Conclusion
 Storage

This batch of product conforms to the Specification.
 Store in cool, dry place and away from strong light and heat

APROBADO

02.01.23
 L=24 P=125
 35535
 PH-001-100