

HaoSail

QINGDAO HAOSAIL SCIENCE CO.,LTD

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CERTIFICATE OF ANALYSIS

Product Name	Hyaluronic acid LW
Batch Number	23021612
Lot Quantity	35KG
MFG.Date	Feb.16.2023
EXP.Date	Feb.15.2026
Country of Origin	China

Items of Analysis	Specification	Results
Apparance	White or almost white powder or granule	Conform
Glucuronic acid	≥44.5%	47.5%
Sodium Hyaluronate	≥92.0%	98.3%
PH	5.0~8.5	6.2
Transparency	≥99.0%	99.90%
Molecular weight, Da	As per request	500KDa
Intrinsic Viscosity	Measured value	10.0dL/g
Protein	≤0.10%	0.02%
Bulk	Measured value	0.39g/cm ³
Tap	Measured value	0.44g/cm ³
Residue on ignition	≤ 20.0%	12.50%
Loss on drying	≤10.0%	6.80%
Heavy metals (Pb)	≤ 20ppm	<10ppm
Bacteria count	≤ 100cfu/g	Conform
Mold and yeast	≤50cfu/g	Negative
Pseudomonas aeruginosa	Negative	Negative

For and on behalf of
QINGDAO HAOSAIL SCIENCE CO.,LTD
青岛浩塞生物科技有限公司

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

Ref. PT-25147-777 Lote

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