

PH-001

# HaoSail

## QINGDAO HAOSAIL SCIENCE CO.,LTD

B3, 17# Songyuan Road, Qingdao High-Tech Zone, 266109, China

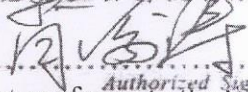
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### CERTIFICATE OF ANALYSIS

Product Name	Hyaluronic acid HW
Batch Number	23090504
Lot Quantity	100KG
MFG.Date	Sep.05.2023
EXP.Date	Sep.04.2025
Country of Origin	China

Items of Analysis	Specification	Results
Apparance	White or almost white powder or granule	Conform
Glucuronic acid	≥44.5%	47.3%
Sodium Hyaluronate	≥92.0%	97.8%
PH	5.0~8.5	6.6
Transparency	≥99.0%	99.90%
Molecular weight, Da	As per request	1500KDa
Intrinsic Viscosity	Measured value	23.7dL/g
Protein	≤0.10%	0.04%
Bulk density	Measured value	0.27g/cm <sup>3</sup>
Tap density	Measured value	0.39g/cm <sup>3</sup>
Residue on ignition	≤20.0%	12.70%
Loss on drying	≤10.0%	7.40%
Heavy metals (Pb)	≤20ppm	<10ppm
Bacteria count	≤100cfu/g	Conform
Mold and yeast	≤50cfu/g	Conform
Pseudomonas aeruginosa	Negative	Conform

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



Authorized Signature(s)

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

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