

HaoSail

QINGDAO HAOSAIL SCIENCE CO.,LTD

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CERTIFICATE OF ANALYSIS

Product Name	Hyaluronic acid LW
Batch Number	23061613
Lot Quantity	30KG
MFG.DATE	Jun.16.2023
RE-TEST DATE	Jun.15.2026
Country of Origin	China

Items of Analysis	Specification	Results
Apparance	White or almost white powder or granule	Conform
Glucuronic acid	$\geq 44.5\%$	46.8%
Sodium Hyaluronate	$\geq 92.0\%$	96.8%
PH	5.0~8.5	6.6
Transparency	$\geq 99.0\%$	99.90%
Molecular weight, Da	As per request	500KDa
Intrinsic Viscosity	Measured value	10.0dL/g
Protein	$\leq 0.10\%$	0.04%
Bulk	Measured value	0.34g/cm ³
Tap	Measured value	0.48g/cm ³
Residue on ignition	$\leq 20.0\%$	12.10%
Loss on drying	$\leq 10.0\%$	7.70%
Heavy metals (Pb)	$\leq 20\text{ppm}$	$< 10\text{ppm}$
Bacteria count	$\leq 100\text{cfu/g}$	Conform
Mold and yeast	$\leq 50\text{cfu/g}$	Conform
Pseudomonas aeruginosa	Negative	Negative

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

[Signature]
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 LOT

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