

## QINGDAO HAOSAIL SCIENCE CO.,LTD

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## **CERTIFICATE OF ANALYSIS**

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Country of Origin	China
EXP.Date	Sep.08.2024
MFG.Date	Sep.09.2021
Lot Quantity	30KG
Batch Number	HSHA 2020092326
Product Name	Hyaluronic acid LW

Items of Analysis	Specification	Results
Apparance	White or almost white powder or granule	Conform
Glucuronic acid	≥44.5%	46.1 %
Sodium Hyaluronate	≥92.0%	95.30%
PH	5.0~8.5	6.4
Transparency	≥99.0%	99.90%
Molecular weight,Da	As per request	500KDa
Intrinsic Viscosity	Measured value	10.0dL/g
Protein	≤0.10%	0.03%
Bulk	Measured value	0.34g/cm3
Tap	Measured value	0.47g/cm3
Residue on ignition	$\leq$ 20.0%	12.80%
Loss on drying	≤10.0%	6.70%
Heavy metals (Pb)	$\leq$ 20ppm	<10ppm
Bacteria count	≤ 100cfu/g For and on b	Conform
Mold and yeast	≤50cfu/g QINGDAO HA	OSAH SCIENCE CO.,LTD
Pseudomonas aeruginosa	Negative	上 物科技 限公司 Negative

Conclusion

This batch of product conforms to the Specification.

Storage Store in cool, dry place and away from strong light and heat