

HaoSail

QINGDAO HAOSAIL SCIENCE CO.,LTD

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

Tel: +86-532-55679909 Fax: +86-532-5579905

CERTIFICATE OF ANALYSIS

Product Name	Chondroitin Sulfate
Source	Bovine
Batch Number	211002
Lot Quantity	600KG
MFG.Date	22.Oct.,2023
EXP.Date	21.Oct.,2025
Country of Origin	China

Items of Analysis	Specification	Results
Appearance	White to light yellow powder	Confirmed
Clarity of water solution)	<0.35	0.134
Assay(dry base)	90.0%~105.0% (CPC)	90.62%
pH (1%H ₂ O solution)	5.5 - 7.5	6.22
Specific Rotation	- 20° ~ -30°	-23.21°
Loss on drying	≤10%	9.34%
Particle size	100% through 80 mesh	Confirmed
Sulfate	≤0.24%	Confirmed
Chloride	≤0.50%	Confirmed
Protein	≤6.0%	5.35%
Residue on Ignition(dry base)	20%-30%	23.41%
Heavy Metal	≤20ppm	Confirmed
Total Bacteria Count	≤1,000 CFU/g	Confirmed
Mold & Yeast	≤100 CFU/g	Confirmed
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus aureus	Negative	Negative

For and on behalf of
QINGDAO HAOSAIL SCIENCE CO.,LTD
青島浩塞生物科學有限公司
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