

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-26 09:08:34

Date of Next Testing: 2028-08-25 09:08:34

Product Name: **Chondroitin sulfate sodium (from Chicken Cartilage)**

CAS Number: 9082-07-9

Specifications & Purity: $\geq 90\%$

Lot #: H2513470

SKU #: **C774112**

Version: **1**

Analysis #: **489431**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged, Desiccated

Parameter	Limit Values	Result
Specific Rotation [a] _D ²⁰ (c=3 in H ₂ O)	-30~-20 (°)	-24.80000 °
pH (c=1%, H ₂ O)	5.5-7.5	6.67000
Loss on drying	0-10 (%)	8.50000 %
Protein	0-3.5 (%)	3.00000 %
Residue on Ignition	20-30 (%)	24.80000 %
Sulfur (S)	5.5-7.5 (%)	6.90000 %
Heavy metals	0-20 (ppm)	20.00000 ppm
Nitrogen by Elemental Analysis	2.5-3.5 (%)	2.70000 %
Chloride (Cl ⁻)	0-0.5 (%)	0.10000 %
Arsenic (As)	0-2 (ppm)	2.00000 ppm
Total Plate Count	0-1000 (CFU/g)	1000.00000 cfu/g
Yeast and Mold	0-100 (CFU/g)	100.00000 cfu/g
Cadmium (Cd)	0-1.5 (ppm)	1.34000 ppm
Lead (Pb)	0-5 (ppm)	4.33000 ppm
Mercury (Hg)	0-5 (ppm)	4.33000 ppm
Residual solvents	0-0.5 (%)	0.30000 %
Sulfate (SO ₄ ²⁻)	0-0.24 (%)	0.24000 %
Sodium (Na)	0-7 (%)	7.00000 %
Purity (HPLC)	90-100 (%)	90.50000 %
Appearance (C774112)	Fine white powder	Fine white powder
E.coli	Negative	Negative
Salmonella	none detected	none detected
Identification NIR/USP	Complied	Complied
Chondroitin A to C Ratio: 1:5	Pass	Pass
Staphylococcus Aureus	Negative	Negative



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Parameter

Solubility(1% H₂O),Clear Solution

Limit Values

Pass

Result

Pass

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager