

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-17 11:14:47

Date of Next Testing: 2026-05-16 11:14:47

Product Name: **Chondroitin 4-sulfate sodium salt**

CAS Number: 39455-18-0

Specifications & Purity: mixture of isomers, main component: chondroitin 4-sulfate

Lot #: E2210187

SKU #: **C109526**

Version: **0**

Analysis #: **079067**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-30--20 (°)	-20.54100 °
Water by Karl Fischer	0-10 (%)	5.98240 %
Purity(HPLC)(mixture of isomers)	85-100 (%)	86.10000 %
Appearance (c109526)	Off-White to Light Yellow Powder	Off-White to Light Yellow Powder
Solubility in H ₂ O , Clear to Hazy Colorless to Faint Yellow,100 mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager