

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-13 19:22:44
 Date of Next Testing: 2027-03-12 19:22:44
 Product Name: **Chondroitin 4-sulfate sodium salt**
 CAS Number: 39455-18-0
 Specifications & Purity: mixture of isomers, main component: chondroitin 4-sulfate
 Lot #: C2308609
 SKU #: **C109526**
 Version: **0**
 Analysis #: **079067**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ 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