

## Certificate of Analysis

Date of Testing: 2022-01-19 17:17:20  
Date of Next Testing: 2026-01-18 17:17:20  
Product Name: **Chondroitin 4-sulfate sodium salt**  
CAS Number: 39455-18-0  
Specifications & Purity: lyophilized powder, for cell culture, ≥85%  
Lot #: A2218318  
SKU #: **C109527**  
**Analysis: 061730**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.3 (%)	0.20 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	-30--20 (°)	-22.40 °
Purity(HPLC)	85-100 (%)	96.78600 %
Cell Culture Test	pass	Pass
Residue	chondroitin sulfate C	chondroitin sulfate C
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager