

## Certificate of Analysis

Date of Testing: 2024-07-04 11:39:06  
Date of Next Testing: 2028-07-03 11:39:06  
Product Name: **Chondroitin 4-sulfate sodium salt**  
CAS Number: 39455-18-0  
Specifications & Purity: lyophilized powder,for cell culture,≥85%  
Lot #: F2426404  
SKU #: **C109527**  
Version: **1**  
Analysis #: **363649**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.3 (%)	0.10 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	-30--20 (°)	-25.43 °
Purity(HPLC)	85-100 (%)	85.31300 %
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