

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-02-09 18:59:11
Date of Next Testing: 2028-01-30 18:59:11
Product Name: **X-GlcA CHA Salt**
CAS Number: 114162-64-0
Specifications & Purity: $\geq 99\%$
Lot #: B2603225
SKU #: **B104857**
Version: **0**
Analysis #: **647269**
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	43.6-48.5 (%)	46.52800 %
Purity(HPLC)	99-100 (%)	100.00000 %
Nitrogen by Elemental Analysis (anhydrous)	4.8-5.9 (%)	5.37200 %
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in DMF})$	-92--85 (°)	-91.54200 °
Water by Karl Fischer	0-6 (%)	4.02120 %
Appearance (B104857)	white powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in DMF , Colorless, Clear,50 mg/ml	pass	Pass
beta-Glucuronidase detection test	to pass test	to pass test



John Su
QA & QC Manager