

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-11 14:10:35  
 Date of Next Testing: 2028-10-10 14:10:35  
 Product Name: **N-Acetyl-D-glucosamine**  
 CAS Number: 7512-17-6  
 Specifications & Purity: for cell culture, ≥98%  
 Lot #: J2409142  
 SKU #: **A118965**  
 Version: **1**  
 Analysis #: **414304**  
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	39-43 (°)	41.15°
Purity(HPLC)	98-100 (%)	98.10000%
UV Absorbance 280nm (C = 0.25 M in H <sub>2</sub> O)	0-0.6	0.52000
Appearance (A118965)	White to Off-White Powder	White to Off-White Powder
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear ,50 mg/mL, H <sub>2</sub> O	pass	Pass
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
Cell Culture Test	pass	Pass



John Su  
QA & QC Manager