

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-30 12:16:02  
Date of Next Testing: 2028-10-29 12:16:02  
Product Name: **N-Acetyl-D-glucosamine**  
CAS Number: 7512-17-6  
Specifications & Purity: for cell culture,  $\geq 98\%$   
Lot #: J2428472  
SKU #: **A118965**  
Version: **1**  
Analysis #: **423586**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in H}_2\text{O})$	39-43 ( $^{\circ}$ )	42.60 $^{\circ}$
Purity(HPLC)	98-100 (%)	98.80000%
UV Absorbance 280nm (C = 0.25 M in H <sub>2</sub> O)	0-0.6	0.60000
Appearance (A118965)	White to Off-White Powder	White to Off-White Powder
Cell Culture Test	pass	Pass
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



John Su  
QA & QC Manager