

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-09 10:12:08  
Date of Next Testing: 2028-04-08 10:12:08  
Product Name: **N-Acetyl-D-glucosamine**  
CAS Number: 7512-17-6  
Specifications & Purity: Cell culture grade, 98% or more  
Lot #: C2425106  
SKU #: **A118965**  
**Analysis:** **332512**  
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 (°)	42.75°
UV Absorbance 280nm (C = 0.25 M in H <sub>2</sub> O)	0-0.6	0.45000
Purity(HPLC)	98-100 (%)	98.01000%
Cell Culture Test	pass	Pass
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



John Su  
QA & QC Manager