

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-22 13:16:05  
Date of Next Testing: 2028-06-21 13:16:05  
Product Name: **N-Acetyl-D-glucosamine**  
CAS Number: 7512-17-6  
Specifications & Purity: 98%  
Lot #: F2417098  
SKU #: **A105211**  
Version: **0**  
Analysis #: **374404**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.38600%
Loss on drying	0-1 (%)	0.07%
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	39-43 (°)	40.62°
Sulfate Ash	0-1 (%)	0.00%
Heavy metal (as Pb)	0-50 (ppm)	6.00 ppm
Appearance (A105211)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O, colorless to faint yellow clear to hazy, 50mg/ml	pass	Pass



John Su  
QA & QC Manager