

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-23 15:46:02  
Date of Next Testing: 2028-09-22 15:46:02  
Product Name: **N-Acetyl-D-glucosamine**  
CAS Number: 7512-17-6  
Specifications & Purity: 98%  
Lot #: I2412089  
SKU #: **A105211**  
Version: **1**  
Analysis #: **404388**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Loss on drying	0-1 (%)	0.08 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	39-43 (°)	41.51°
Purity(HPLC)	98-100 (%)	98.10000 %
Heavy metal (as Pb)	0-50 (ppm)	10.00 ppm
Appearance (A105211)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
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