

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-12 10:56:39
 Date of Next Testing: 2029-05-11 10:56:39
 Product Name: **N-Acetyl-D-glucosamine**
 CAS Number: 7512-17-6
 Specifications & Purity: $\geq 98\%$
 Lot #: D2530065
 SKU #: **A105211**
 Version: **1**
 Analysis #: **386230**
 Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.32000 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	39-43 ($^{\circ}$)	42.23000 $^{\circ}$
Loss on drying	0-1 (%)	0.09206 %
Sulfate Ash	0-1 (%)	0.29919 %
Heavy metal (as Pb)	0-50 (ppm)	0.00000 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 ₂ O, colorless to faint yellow clear to hazy, 50mg/ml	pass	Pass



John Su
QA & QC Manager