

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2021-11-23 23:22:40
 Date of Next Testing: 2025-11-22 23:22:40
 Product Name: **N-Acetyl-D-glucosamine**
 CAS Number: 7512-17-6
 Specifications & Purity: $\geq 97\%$
 Lot #: K2119181
 SKU #: **A105212**
 Version: **0**
 Analysis #: **052139**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	39-43 (°)	42.25000°
Purity(HPLC)	97-100 (%)	98.70000%
Appearance (A105212)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
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