

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-19 15:50:07
Date of Next Testing: 2027-05-18 15:50:07
Product Name: **N-Acetyl-D-glucosamine**
CAS Number: 7512-17-6
Specifications & Purity: 98%
Lot #: E2308209
SKU #: **A105211**
Analysis: **208211**
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Loss on drying	0-1 (%)	0.10 %
Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in H}_2\text{O})$	39-43 (°)	42.63°
Sulfate Ash	0-1 (%)	0.36 %
Heavy metal (as Pb)	0-50 (ppm)	2.60 ppm
Purity(HPLC)	98-100 (%)	98.10000 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (A105211)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Solubility in H ₂ O , colorless to faint yellow clear to hazy, 50mg/ml	pass	Pass



John Su
QA & QC Manager