

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-06 16:44:50
Date of Next Testing: 2028-09-05 16:44:50
Product Name: **N-Acetyl-D-glucosamine**
CAS Number: 7512-17-6
Specifications & Purity: $\geq 98\%$
Lot #: I2403059
SKU #: **A105211**
Version: **1**
Analysis #: **408396**
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.10000 %
Loss on drying	0-1 (%)	0.00 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	39-43 ($^{\circ}$)	42.63 $^{\circ}$
Heavy metal (as Pb)	0-50 (ppm)	0.00 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 ₂ O, colorless to faint yellow clear to hazy, 50mg/ml	pass	Pass



John Su
QA & QC Manager