

## Certificate of Analysis

Date of Testing: 2023-05-19 15:15:48  
Date of Next Testing: 2027-05-18 15:15:48  
Product Name: **N-Acetyl-D-glucosamine**  
CAS Number: 7512-17-6  
Specifications & Purity: 97%  
Lot #: E2308215  
SKU #: **A105212**  
**Analysis:** **225783**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [a] <sub>D</sub> 20/D(c=1 in H <sub>2</sub> O)	39-43 (°)	42.63°
Purity(HPLC)	97-100 (%)	98.10000 %
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 <sub>2</sub> O , colorless to faint yellow clear to hazy,50mg/ml	pass	Pass



John Su  
QA & QC Manager