

Certificate of Analysis

Date of Testing: 2025-08-01 15:50:59

Date of Next Testing: 2029-07-31 15:50:59

Product Name: **N-Acetyl-D-glucosamine**

CAS Number: 7512-17-6

Specifications & Purity: $\geq 97\%$

Lot #: G2523163

SKU #: **A105212**

Version: **0**

Analysis #: **550089**

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 (°)	42.27°
Purity(HPLC)	97-100 (%)	99.30000 %
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 pass to hazy,50mg/ml		Pass



John Su
QA & QC Manager