

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-17 16:27:29  
 Date of Next Testing: 2029-06-16 16:27:29  
 Product Name: **N-Acetyl-D-glucosamine**  
 CAS Number: 7512-17-6  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: F2512056  
 SKU #: **A105212**  
 Version: **0**  
 Analysis #: **531350**  
 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 (°)                                    | 41.51000°                                    |
| 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