

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-07-27 13:10:25  
 Date of Next Testing: 2030-07-26 13:10:25  
 Product Name: **N-Acetyl-D-glucosamine**  
 CAS Number: 7512-17-6  
 Specifications & Purity: for cell culture, ≥98%  
 Lot #: G2620089  
 SKU #: **A118965**  
 Version: **2**  
 Analysis #: **741448**  
 Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                                                    | Limit Values              | Result                    |
|----------------------------------------------------------------------------------------------|---------------------------|---------------------------|
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$                              | 39-43 (°)                 | 42.80000°                 |
| Purity(HPLC)                                                                                 | 98-100 (%)                | 99.30000%                 |
| UV Absorbance 280nm (C = 0.25 M in H <sub>2</sub> O)                                         | 0-0.6                     | 0.56000                   |
| Appearance (A118965)                                                                         | White to Off-White Powder | White to Off-White Powder |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear ,50 mg/mL, H <sub>2</sub> O | pass                      | Pass                      |
| Cell Culture Test                                                                            | pass                      | Pass                      |
| NMR Spectrum 1H                                                                              | Conforms to structure     | Conforms to Structure     |



John Su  
QA & QC Manager