

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-18 09:12:35  
 Date of Next Testing: 2029-08-17 09:12:35  
 Product Name: **N-Acetyl-D-galactosamine**  
 CAS Number: 1811-31-0  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: H2507233  
 SKU #: **A113374**  
 Version: **0**  
 Analysis #: **519113**  
 Storage Temperature: Store at 2-8°C

| Parameter                                                                  | Limit Values            | Result                  |
|----------------------------------------------------------------------------|-------------------------|-------------------------|
| Purity(HPLC)                                                               | 98-100 (%)              | 99.80000 %              |
| Water by Karl Fischer                                                      | 0-7.5 (%)               | 6.50000 %               |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O in 5 hours})$ | 80-90 (°)               | 80.50000 °              |
| Nitrogen by Elemental Analysis                                             | 6.1-6.5 (%)             | 6.20000 %               |
| Carbon by Elemental Analysis                                               | 42.6-44.3 (%)           | 42.80000 %              |
| Appearance (A113374)                                                       | White Powder to Crystal | White powder to crystal |
| Infrared spectrum                                                          | Conforms to Structure   | Conforms to Structure   |
| Solubility in H <sub>2</sub> O , clear colorless ,50 mg/ml in water        | pass                    | Pass                    |



John Su  
 QA & QC Manager