

## Certificate of Analysis

Date of Testing: 2025-08-15 10:47:49  
Date of Next Testing: 2029-08-14 10:47:49  
Product Name: **N-Acetyl-D-galactosamine**  
CAS Number: 1811-31-0  
Specifications & Purity:  $\geq 98\%$   
Lot #: H2507231  
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 (%)               | 6.50 %                  |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O in 5 hours})$ | 80-90 (°)               | 80.50 °                 |
| Nitrogen by Elemental Analysis                                             | 6.1-6.5 (%)             | 6.20 %                  |
| Carbon by Elemental Analysis                                               | 42.6-44.3 (%)           | 42.80 %                 |
| 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                    |



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QA & QC Manager