

## Certificate of Analysis

Date of Testing: 2023-05-12 13:49:55  
Date of Next Testing: 2027-05-11 13:49:55  
Product Name: **N-Acetyl-D-galactosamine**  
CAS Number: 1811-31-0  
Specifications & Purity: 98%  
Lot #: E23061326  
SKU #: **A113374**  
**Analysis:** **215054**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-7.5 (%)	2.52 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O in 5 hours)	80-90 (°)	86.80°
Nitrogen by Elemental Analysis	6.1-6.5 (%)	6.28 %
Purity(HPLC)	98-100 (%)	99.70000 %
Carbon by Elemental Analysis	42.6-44.3 (%)	43.20 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (A113374)	White Powder to Crystal	White powder to crystal
Solubility in H <sub>2</sub> O , clear colorless ,50 mg/ml in water	pass	Pass



John Su  
QA & QC Manager