

Certificate of Analysis

Date of Testing: 2025-08-18 09:29:23
Date of Next Testing: 2029-08-17 09:29:23
Product Name: **N-Acetyl-D-galactosamine**
CAS Number: 1811-31-0
Specifications & Purity: $\geq 98\%$
Lot #: H2507232
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 ₂ O , clear colorless ,50 mg/ml in water	pass	Pass



John Su
QA & QC Manager