

Certificate of Analysis

Date of Testing: 2022-09-09 18:34:11
Date of Next Testing: 2026-09-08 18:34:11
Product Name: **Methyl α -D-galactopyranoside**
CAS Number: 3396-99-4
Specifications & Purity: > 98.0%
Lot #: I2201738
SKU #: **M120874**
Analysis: 120858
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	8.83 %
Purity(HPLC)	98-100 (%)	99.82600 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } H_2O)$	173-183 (°)	176.99 °
Melting point	106-110 (°C)	109.85000 °C
Appearance (M120874)	White to Almost white powder to crystal	White to Almost white powder to crystal
Clear colorless solution(50mg/ml,water)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager