

Certificate of Analysis

Date of Testing: 2023-02-16 10:02:49
 Date of Next Testing: 2027-02-15 10:02:49
 Product Name: **1,6:2,3-Dianhydro- β -D-mannopyranose**
 CAS Number: 3868-03-9
 Specifications & Purity: $\geq 98\%$
 Lot #: B2309432
 SKU #: **D154945**
 Version: **1**
 Analysis #: **154975**

Parameter	Limit Values	Result
Melting point	67-71 (°C)	70.46000 °C
Purity(HPLC area)	98-100 (%)	98.00 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in MeOH})}$	-37~-33 (°)	-37.00 °
Appearance(D154945)	White to Light yellow powder to crystal	White to Light yellow powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager