

Certificate of Analysis

Date of Testing: 2024-12-20 13:30:37

Date of Next Testing: 2028-12-19 13:30:37

Product Name: **Mannitol**

CAS Number: 69-65-8

Specifications & Purity: for plant cell culture, ≥99%

Lot #: L2416556

SKU #: **M119324**

Version: **1**

Analysis #: **452421**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	139.37 °
Purity(HPLC)	99-100 (%)	99.80000 %
Appearance (M119324)	white powder	White powder
Plant cell culture test	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , clear colorless , 1 mg/ml in water	pass	Pass



John Su
QA & QC Manager