

Certificate of Analysis

Date of Testing: 2025-07-08 16:47:20

Date of Next Testing: 2029-07-07 16:47:20

Product Name: **Mannitol**

CAS Number: 69-65-8

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

Lot #: F2527497

SKU #: **M119324**

Version: **1**

Analysis #: **538382**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1\% \text{ acidified Molybdate} \& \text{H}_2\text{SO}_4)$	137-145 (°)	137.46 °
Purity(HPLC)	99-100 (%)	99.78100 %
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