

Certificate of Analysis

Date of Testing: 2024-04-28 14:59:32
Date of Next Testing: 2028-04-27 14:59:32
Product Name: **Mannitol**
CAS Number: 69-65-8
Specifications & Purity: plant cell culture tested, ≥99.0%
Lot #: D2412503
SKU #: **M119324**
Analysis: **352694**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	144.80°
Purity(HPLC)	99-100 (%)	99.11400%
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