

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-03-18 10:02:37

Date of Next Testing: 2030-03-17 10:02:37

Product Name: **D-(-)-Mannitol**

CAS Number: 69-65-8

Specifications & Purity: Animal Free, Low Endotoxin, for cell culture, ≥97%

Lot #: C2604072

SKU #: **V31259**

Version: **0**

Analysis #: **676762**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	165-170 (°C)	168.29000 °C
Specific rotation[α] _{25/D} (C=1 in 1% acidified Molybdate & H ₂ SO ₄)	137-145 (°)	142.38300 °
Assay(Dry base)	97-103.5 (%)	99.91600 %
Loss on drying(105°C, 4h)	0-0.5 (%)	0.00 %
Sulfate(SO ₄ ²⁻)	0-0.01 (%)	0.00 %
Arsenic(As)	0-1 (ppm)	0.00000 ppm
Ignition Residue	0-0.1 (%)	0.00 %
Lead(Pb)	0-1 (ppm)	0.00 ppm
Nickel(Ni)	0-1 (ppm)	0.00 ppm
PH (10% Water)	4.0-7.5	5.61
Reducing sugars	0-0.3 (%)	0.00 %
Endotoxin Assay	0-2.5 (EU/g)	1.00 EU/g
Total Plate Count	≤1000(CFU/g)	600.00000 cfu/g
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O	Almost transparency	almost transparency
Appearance(V31259)	White or off-White, Crystalline powder or solid	White or off-White, Crystalline powder or solid

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Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

