

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2025-04-22 10:33:32

Date of Next Testing: 2029-04-21 10:33:32

Product Name: **D-(+)-Mannose**

CAS Number: 3458-28-4

Specifications & Purity: Animal Free, Low Endotoxin, for cell culture, ≥99%

Lot #: D2511238

SKU #: **V33836**

Version: **0**

Analysis #: **501692**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	99-100 (%)	99.94 %
Specific Rotation [α] _{25/D} (c=4 in H ₂ O in stand for 24 hours)	13.5-14.9 (°)	14.42 °
Loss on drying	0-0.5 (%)	0.00 %
Endotoxin Level	0-1 (EU/mg)	0.02240 EU/mg
Total Plate Count	0-1000(CFU/g)	100.00000 cfu/g
Chloride (Cl ⁻)	0-0.005 (%)	0.00 %
Sulfate(SO ₄ ²⁻)	0-0.01 (%)	0.00 %
Heavy metals	0-10 (ppm)	0.00 ppm
Lead(Pb)	0-0.5 (ppm)	0.00 ppm
Arsenic(As)	0-1.5 (ppm)	0.00000 ppm
Cadmium(Cd)	0-0.5 (ppm)	0.00 ppm
Mercury(Hg)	0-0.1 (ppm)	0.00 ppm
Cell Culture Test	pass	Pass
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow,Clear ,50 mg/ml	pass	Pass
Appearance(V33836)	White to Off-White Powder	White to Off-White Powder

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