

PRODUCT IDENTITY

PRODUCT NAME	D-(+)-Mannose	PRODUCT NUMBER	M640151
Grades & Purity	Moligand™, Animal Free, Low Endotoxin, for cell culture, ≥99%	VERSION	3
CAS NUMBER	3458-28-4	FORMULA	C ₆ H ₁₂ O ₆
FORMULA WEIGHT	180.16g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Appearance(M640151)	White to Off-White Powder
Purity(HPLC area)	99-100 (%)
Specific Rotation [α] ₂₅ /D(c=4 in H ₂ O in stand for 24 hours)	13.5-14.9 (°)
Loss on drying	0-0.5 (%)
Cell Culture Test	pass
Endotoxin Level	0-1 (EU/mg)
Total Plate Count	0-1000(CFU/g)
NMR Spectrum 1H	Conforms to structure
Solubility in H ₂ O , Colorless to Faint Yellow,Clear ,50 mg/ml	pass

PARAMETER	SPECIFICATION / LIMIT
Chloride (Cl-)	0-0.005 (%)
Sulfate(SO42-)	0-0.01 (%)
Heavy metals	0-10 (ppm)
Lead(Pb)	0-0.5 (ppm)
Arsenic(As)	0-1.5 (ppm)
Cadmium(Cd)	0-0.5 (ppm)
Mercury(Hg)	0-0.1 (ppm)