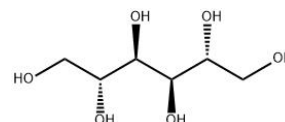


Technical Data Sheet

D-Mannitol

Compound Information

Product Name:	D-Mannitol
CAS No.:	69-65-8
Molecular Formula:	C ₆ H ₁₄ O ₆
Molecular Weight:	182.17
Revision Date:	2026-04-16



Analytical Information

Tests	Specifications
Description	White, odourless, crystalline powder
Grade	Food Grade
Solubility	H ₂ O: 1 M at 20 °C, clear, colorless
Purity	96.0% to 102%
Melting range	164 - 169°
TLC test	Passes test
Loss on drying (105 oC, 4 hr)	Not more than 0.3%
Specific rotation	[alpha] 20, D: Between +23 and +25o
pH	5.0-6.5 (25°C, 1M in H ₂ O)
Sulphated ash	Not more than 0.1%
Chloride(Cl)	Not more than 70 mg/kg
Sulphate(SO ₄)	Not more than 100 mg/kg
Nickel (Ni)	Not more than 2 mg/kg
Reducing sugars	Not more than 0.3%
Sugars	Not more than 1.0% (as glucose)
Lead(Pb)	Not more than 1 mg/kg
1H NMR	Pass test
13C NMR	Pass test
IR	Pass test
Raman	Pass test

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