

SPECIFICATION

D(-)-Mannitol

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ powder
Assay (C ₆ H ₁₄ O ₆)	min.99.0%(mass/mass)
Solubility in water	to pass test
Melting point	165~170°C
Specific rotation [α] _{D20} (Bolic acid complex)	+22.0~+25.0°
Loss on drying at 105°C	max.0.2%(mass/mass)
Residue after ignition (as sulfate)	max.0.05%(mass/mass)
Acidity (as CH ₃ COOH)	max.0.006%(mass/mass)
Chloride (Cl)	max.0.003%(mass/mass)
Sulfate (SO ₄)	max.0.005%(mass/mass)
Lead (Pb)	max.5ppm(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)
Reducing sugar (as mannose)	max.0.05%(mass/mass)

JIS K 8882 : 2020(*:Additional test performed by Wako but not required by JIS)