

Code No.13-0084

## SPECIFICATION

## D(-)-Mannitol

## Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ powder
Assay (C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> )	min.99.0%(mass/mass)
Solubility in water	to pass test
Melting point	165~170°C
Specific rotation [ $\alpha$ ] <sub>D20</sub> (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 <sub>3</sub> COOH)	max.0.006%(mass/mass)
Chloride (Cl)	max.0.003%(mass/mass)
Sulfate (SO <sub>4</sub> )	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)