

## Specification Sheet

Product Name: **Mannitol**  
Specifications & Purity: **Ultrapure, ≥99.0%(HPLC)**  
SKU #: **M108829**

Parameter	Limit Values
Sulfate(SO42-)	0-200 (ppm)
Reducing sugars	0-0.2 (%)
Calcium(Ca)	0-100 (ppm)
Phosphorus (P)	0-0.01 (%)
Silicon(Si)	0-0.02 (%)
Melting point	166-170 (°C)
Chloride (Cl-)	0-50 (ppm)
Copper(Cu)	0-50 (ppm)
Sodium(Na)	0-200 (ppm)
Purity(HPLC)	99-100 (%)
Zinc(Zn)	0-10 (ppm)
Specific Rotation $[\alpha]_{25}^D$ (c=1 in 1%acidified Molybdate&H2SO4	137-145 (°)
Potassium(K)	0-50 (ppm)
loss on drying, 105 °C	0-0.5 (%)
Iron(Fe)	0-50 (ppm)
Magnesium (Mg)	0-50 (ppm)
Lead(Pb)	0-50 (ppm)
Appearance (M108829)	White Powder or Crystals
Infrared spectrum	Conforms to Structure
Solubility in H2O	Almost transparency