

1245 – D-MANNITOL, EXTRA PURE

REF NO: TBL/QA/SS/LC/1245	STANDARD SPECIFICATION FOR D-MANNITOL, EXTRA PURE	Rev. No: 03
Issue No: 04		Review Date: 26/10/2024
Issue Date: 27/10/2021		Product code: 1245

PRODUCT PROPERTIES

C.A.S Number	69-65-8
Chemical Formula	C ₆ H ₁₄ O ₆
Formula weight	182.17
Functional Uses	D-Mannitol is used to treat oliguria associated with kidney failure or other manifestations of inadequate renal function and has been used for determination of glomerular filtration rate. Mannitol is also commonly used as a research tool in cell biological studies, usually to control osmolarity. Used as a laboratory reagent
Standard Packaging	100gm, 500 gm, 5 Kg, 25 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on drying (at 105°C)	NMT – 0.5%
Specific Rotation	+23° to +25°
Melting Temp.	165 – 170° C
Chloride (Cl)	NMT – 0.005%
Sulphated Ash	NMT – 0.1%
Sulphate (SO ₄)	NMT – 0.01%
Zinc (Zn)	NMT – 0.0001%
Heavy metal (Pb)	NMT – 0.0005%
Assay	NLT – 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

