

1246 – D-MANNITOL, AR GRADE

REF NO: TBL/QA/SS/LC/1246	STANDARD SPECIFICATION FOR D-MANNITOL, AR GRADE	Rev. No: 03
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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, 25 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White free flowing powder.
Solubility	Soluble in water.

CHEMICAL PARAMETERS

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

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

