TMB 050– D-MANNITOL (Molecular Biology grade)

REF NO: TBL/QA/SS/LC/ 050	**STANDARD SPECIFICATION FOR D-MANNITOL (Molecular Biology grade)**	**Rev. No:** 03
Issue No: 04		**Review Date:** 26/10/2024
Issue Date: 27/10/2021		**Product code:** TMB 050

PRODUCT PROPERTIES

C.A.S Number	69-65-8
Chemical Formula	$C_6H_{14}O_6$
Formula weight	182.17
Functional Uses	A sugar alcohol sweet tastant. Used in sweetness inhibition studies
Standard Packaging	500 gm & 1 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.
Solubility	Soluble in water.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on drying (at 105ºC)	NMT – 0.5%
Specific Rotation	$+137.0^0$ to $+145.0^0$
Melting Temp.	165 – 170º C
DNases/RNases	None detected
Assay	NLT – 99.0%

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