

CM 23125 – D-SORBITOL POWDER (D-GLUCITOL)

REF NO: TBL/QA/SS/LC/465	STANDARD SPECIFICATION FOR D-SORBITOL POWDER (D- GLUCITOL	Rev. No: 03
Issue No: 04		Review Date: 02/11/2024
Issue Date: 03/11/2021		Product code: 465

PRODUCT PROPERTIES

C.A.S Number	50-70-4
Chemical Formula	C ₆ H ₁₄ O ₆
Formula weight	182.17
Functional Uses	Sweetener, humectant, sequesterant, texturizer, stabilizer, bulking agent.
Standard Packaging	100 gm., 500 gm. & 25 kg.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.
Solubility	Freely soluble in water.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Specific Rotation $[\alpha]_D^{20}$	- 1.5±0.3 (C=10 in H ₂ O)
pH (1M in H ₂ O, 25° C)	5.0 – 7.0
Loss on Drying	NMT – 0.5%
Residue on Ignition (as SO ₄)	NMT – 0.1%
Assay	NLT – 99.5%

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

