

465 – 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
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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[α] ²⁰ _D	– 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.

