

PRODUCT IDENTITY

PRODUCT NAME	D-(+)-Glucose monohydrate	PRODUCT NUMBER	G107850
Grades & Purity	PharmPure™,USP	VERSION	3
CAS NUMBER	14431-43-7	FORMULA	C ₆ H ₁₂ O ₆ ·H ₂ O
FORMULA WEIGHT	198.17g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Chloride (Cl-)	0-0.01 (%)
Ignition Residue (as sulfate)	0-0.1 (%)
Loss on drying	7.5-9.5 (%)
Heavy metal (as Pb)	0-5 (ppm)
Acidity	0-0.3
(As)Arsenic	0-1 (ppm)
Sulfate(SO ₄ ²⁻)	0-0.025 (%)
Dextrin	Pass
Identification	pass
Residual solvents	complies

PARAMETER	SPECIFICATION / LIMIT
Soluble Starch, Sulfites	Pass
Appearance(G107850)	White Powder or Crystals
Purity(HPLC area)	98-100 (%)
NMR Spectrum 1H	conforms to structure
Solubility in H ₂ O,clear colorless, 1mg/ml in water	pass
Specific Rotation [α] ₂₅ /D(c=10 in H ₂ O)(dry basis)	52.6-53.2 (°)