

Specification Sheet

Product Name: **D-(+)-Glucose monohydrate**
Specifications & Purity: USP, pharmaceutical
SKU #: **G107850**

Parameter	Limit Values
Chloride (Cl-)	0-0.018 (%)
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
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] ₂₀ /D(c=10 in H ₂ O)(dry basis)	52.6-53.2 (°)