

Certificate of Analysis

Date of Testing:	2024-03-21 10:29:06
Date of Next Testing:	2027-03-21 10:29:06
Product Name:	D-(+)-Glucose monohydrate
CAS Number:	14431-43-7
Specifications & Purity:	USP,pharmaceutical
Lot #:	C2419146
SKU #	G107850
Analysis:	326538

Parameter	Limit Values	Result
Chloride (Cl-)	0-0.018 (%)	0.01 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.04 %
Loss on drying	7.5-9.5 (%)	8.47 %
Heavy metal (as Pb)	0-5 (ppm)	0.52 ppm
Acidity	0-0.3	0.10
(As)Arsenic	0-1 (ppm)	0.32 ppm
Sulfate(SO42-)	0-0.025 (%)	0.02 %
Purity(HPLC area)	98-100 (%)	99.58 %
Specific Rotation [α] ₂₅ /D(c=10 in H ₂ O)(dry basis)	52.6-53.2 (°)	52.66500°
Dextrin	Pass	Pass
Identification	pass	Pass
Residual solvents	complies	complies
Soluble Starch, Sulfites	Pass	Pass
Appearance(G107850)	White Powder or Crystals	White Powder or Crystals
Solubility in H ₂ O,clear colorless, mg/ml in water	pass	Pass
NMR Spectrum 1H	conforms to structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager