

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-07-03 10:20:50
Date of Next Testing:	2027-07-03 10:20:50
Product Name:	D-(+)-Glucose monohydrate
CAS Number:	14431-43-7
Specifications & Purity:	USP,pharmaceutical
Lot #:	F2424220
SKU #	G107850
Version	3
Analysis #:	357048

Parameter	Limit Values	Result
Chloride (Cl-)	0-0.01 (%)	0.01 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.00 %
Loss on drying	7.5-9.5 (%)	7.60 %
Heavy metal (as Pb)	0-5 (ppm)	1.46 ppm
Acidity	0-0.3	0.14
(As)Arsenic	0-1 (ppm)	0.24 ppm
Sulfate(SO42-)	0-0.025 (%)	0.01 %
Purity(HPLC area)	98-100 (%)	98.52 %
Specific Rotation [α] ₂₅ /D(c=10 in H ₂ O)(dry basis)	52.6-53.2 (°)	53.07000 °
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

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager