

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-05-17 18:34:56
Date of Next Testing:	2028-05-16 18:34:56
Product Name:	D-(+)-Glucose monohydrate
CAS Number:	14431-43-7
Specifications & Purity:	98%
Lot #:	E2415084
SKU #	G107849
Version	1
Analysis #:	334448

Parameter	Limit Values	Result
Heavy metals	0-5 (ppm)	0.00 ppm
Purity(HPLC) (sum of enantiomers)	98-100 (%)	99.53%
Sulfate(SO42-)	0-0.025 (%)	0.00%
(As)Arsenic	0-1 (ppm)	0.00 ppm
Ignition Residue(Ash)	0-0.1 (%)	0.06%
Chloride (Cl-)	0-0.018 (%)	0.00%
Loss on drying	7.5-9.5 (%)	8.44%
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)(dry basis)	52.6-53.2 (°)	52.68°
Appearance (G107849)	White Powder or Crystals	White Powder or Crystals
Solubility in H ₂ O , clear colorless , 1 mg/ml in water	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager