

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-05-10 14:33:34
Date of Next Testing:	2028-05-09 14:33:34
Product Name:	<b>D-(+)-Glucose monohydrate</b>
CAS Number:	14431-43-7
Specifications & Purity:	98%
Lot #:	D2418347
SKU #	<b>G107849</b>
Version	<b>1</b>
Analysis #:	<b>334448</b>

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] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)(dry basis)	52.6-53.2 (°)	52.68°
Appearance (G107849)	White Powder or Crystals	White Powder or Crystals
Solubility in H <sub>2</sub> O , clear colorless , 1 mg/ml in water	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager