

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-08-14 10:19:08
Date of Next Testing:	2027-08-13 10:19:08
Product Name:	D-Glucose 6-phosphate sodium salt
CAS Number:	54010-71-8
Specifications & Purity:	97%
Lot #:	H2309715
SKU #	G111871
Version	0
Analysis #:	254292
Storage Temperature:	Store at 2-8°C

Parameter	Limit Values	Result
Purity(Total of isomer,anhydrous)	97-100 (%)	99.42%
Water by Karl Fischer	0-6 (%)	1.31%
inorganic phosphorus	0-0.5 (%)	0.32%
Sodium (Na)(anhydrous)	6.1-10.2 (%)	7.27%
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	31-35 (°)	31.03°
Appearance (G111871)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Solubility in H ₂ O , Colorless to Faint Yellow Clear pass ,50 mg/mL, H ₂ O		Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager