

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2025-01-15 13:54:03
Date of Next Testing:	2029-01-14 13:54:03
Product Name:	<b>D-Glucose 6-phosphate sodium salt</b>
CAS Number:	54010-71-8
Specifications & Purity:	≥97%
Lot #:	A2514454
SKU #	<b>G111871</b>
Version	<b>1</b>
Analysis #:	<b>448725</b>
Storage Temperature:	Store at 2-8°C

Parameter	Limit Values	Result
Purity(Total of isomer,anhydrous)	97-100 (%)	99.57%
Water by Karl Fischer	0-6 (%)	0.24%
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)	31-35 (°)	33.19°
Sodium (Na)(anhydrous)	6.1-10.2 (%)	6.11%
Appearance (G111871)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear pass ,50 mg/mL, H <sub>2</sub> O		Pass



John Su  
QA & QC Manager