

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-13 16:59:11  
 Date of Next Testing: 2027-01-12 16:59:11  
 Product Name: **D-Glucose 6-phosphate sodium salt**  
 CAS Number: 54010-71-8  
 Specifications & Purity: 97%  
 Lot #: A2310357  
 SKU #: **G111871**  
**Analysis:** **159658**  
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-6 (%)	0.05 %
inorganic phosphorus	0-0.5 (%)	0.28 %
Purity(Total of isomer,anhydrous)	97-100 (%)	99.73 %
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)	31-35 (°)	31.76 °
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
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear pass ,50 mg/mL, H <sub>2</sub> O		Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager