

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-04 13:56:42  
Date of Next Testing: 2028-11-03 13:56:42  
Product Name: **D-Glucose 6-phosphate sodium salt**  
CAS Number: 54010-71-8  
Specifications & Purity:  $\geq 97\%$   
Lot #: J2430549  
SKU #: **G111871**  
Version: **1**  
Analysis #: **421993**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Total of isomer,anhydrous)	97-100 (%)	99.65 %
Water by Karl Fischer	0-6 (%)	0.42 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	31-35 (°)	33.90°
Sodium (Na)(anhydrous)	6.1-10.2 (%)	7.11 %
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