

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-11 09:45:49
 Date of Next Testing: 2029-04-10 09:45:49
 Product Name: **D-Glucose 6-phosphate sodium salt**
 CAS Number: 54010-71-8
 Specifications & Purity: $\geq 97\%$
 Lot #: C2527653
 SKU #: **G111871**
 Version: **1**
 Analysis #: **482753**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Total of isomer,anhydrous)	97-100 (%)	99.88400 %
Water by Karl Fischer	0-6 (%)	0.23660 %
Sodium (Na)(anhydrous)	6.1-10.2 (%)	6.56000 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	31-35 (°)	32.45100°
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 ₂ O , Colorless to Faint Yellow Clear pass ,50 mg/mL, H ₂ O		Pass



John Su
QA & QC Manager