

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-13 17:21:42
Date of Next Testing: 2027-01-12 17:21:42
Product Name: **D-Glucose 6-phosphate sodium salt**
CAS Number: 54010-71-8
Specifications & Purity: 97%
Lot #: A2310371
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] ₂₀ /D(c=10 in H ₂ 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 ₂ O , 50 mg/mL, H ₂ O	Colorless to Faint Yellow Clear	pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager