

Certificate of Analysis

Date of Testing: 2022-08-13 12:48:35
Date of Next Testing: 2026-08-12 12:48:35
Product Name: **D-Glucose 6-phosphate sodium salt**
CAS Number: 54010-71-8
Specifications & Purity: 97%
Lot #: H2212383
SKU #: **G111871**
Analysis: 114629
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Total of isomer,anhydrous)	97-100 (%)	99.28 %
inorganic phosphorus	0-0.5 (%)	0.36 %
Sodium (Na)(anhydrous)	6.1-10.2 (%)	6.73 %
Water by Karl Fischer	0-6 (%)	0.68 %
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	31-35 (°)	33.45 °
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