

Certificate of Analysis

Date of Testing: 2023-04-24 17:10:25
Date of Next Testing: 2027-04-23 17:10:25
Product Name: **D-Glucose 6-phosphate sodium salt**
CAS Number: 54010-71-8
Specifications & Purity: 97%
Lot #: D23211721
SKU #: **G111871**
Analysis: 196019
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Total of isomer,anhydrous)	97-100 (%)	99.59 %
Water by Karl Fischer	0-6 (%)	0.04 %
inorganic phosphorus	0-0.5 (%)	0.30 %
Sodium (Na)(anhydrous)	6.1-10.2 (%)	7.76 %
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	31-35 (°)	31.29°
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



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QA & QC Manager