

Certificate of Analysis

Date of Testing: 2025-04-10 11:18:20
Date of Next Testing: 2029-04-09 11:18:20
Product Name: **D-Glucose 6-phosphate sodium salt**
CAS Number: 54010-71-8
Specifications & Purity: $\geq 97\%$
Lot #: C2527638
SKU #: **G111871**
Version: **1**
Analysis #: **482753**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Total of isomer,anhydrous)	97-100 (%)	99.88 %
Water by Karl Fischer	0-6 (%)	0.24 %
Sodium (Na)(anhydrous)	6.1-10.2 (%)	6.56 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	31-35 (°)	32.45 °
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



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QA & QC Manager