

Certificate of Analysis

Date of Testing: 2025-07-10 17:36:13

Date of Next Testing: 2029-07-09 17:36:13

Product Name: **D-Glucose 6-phosphate sodium salt**

CAS Number: 54010-71-8

Specifications & Purity: $\geq 97\%$

Lot #: G2509385

SKU #: **G111871**

Version: **1**

Analysis #: **535061**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Total of isomer,anhydrous)	97-100 (%)	99.64 %
Water by Karl Fischer	0-6 (%)	1.43 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } H_2O)$	31-35 (°)	31.20 °
Sodium (Na)(anhydrous)	6.1-10.2 (%)	6.15 %
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