

Certificate of Analysis

Date of Testing: 2025-01-15 13:54:44

Date of Next Testing: 2029-01-14 13:54:44

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

CAS Number: 54010-71-8

Specifications & Purity: $\geq 97\%$

Lot #: A2514455

SKU #: **G111871**

Version: **1**

Analysis #: **448725**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Total of isomer,anhydrous)	97-100 (%)	99.57%
Water by Karl Fischer	0-6 (%)	0.24%
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	31-35 (°)	33.19°
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
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