

## Certificate of Analysis

Date of Testing: 2023-01-13 16:56:24

Date of Next Testing: 2027-01-12 16:56:24

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

CAS Number: 54010-71-8

Specifications & Purity: 97%

Lot #: A2310355

SKU #: **G111871**

**Analysis:** **159658**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-6 (%)	0.05 %
inorganic phosphorus	0-0.5 (%)	0.28 %
Purity(Total of isomer,anhydrous)	97-100 (%)	99.73 %
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)	31-35 (°)	31.76 °
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
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear pass ,50 mg/mL, H <sub>2</sub> O		Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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