

## Certificate of Analysis

Date of Testing: 2022-02-18 16:53:50  
Date of Next Testing: 2026-02-17 16:53:50  
Product Name: **D-Glucose 6-phosphate sodium salt**  
CAS Number: 54010-71-8  
Specifications & Purity: 97%  
Lot #: B2215619  
SKU #: **G111871**  
**Analysis: 057209**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Total of isomer,anhydrous)	97-100 (%)	99.52 %
Water by Karl Fischer	0-6 (%)	0.22 %
inorganic phosphorus	0-0.5 (%)	0.30 %
Sodium (Na)(anhydrous)	6.1-10.2 (%)	6.98 %
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)	31-35 (°)	31.07°
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		Pass
,50 mg/mL, H <sub>2</sub> O		
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager