

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-13 18:03:38
Date of Next Testing: 2026-08-12 18:03:38
Product Name: **D-Glucose 6-phosphate sodium salt**
CAS Number: 54010-71-8
Specifications & Purity: 97%
Lot #: H2212384
SKU #: **G111871**
Analysis: 114629
Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|--|---|---|
| Purity(Total of isomer,anhydrous) | 97-100 (%) | 99.28 % |
| inorganic phosphorus | 0-0.5 (%) | 0.36 % |
| Sodium (Na)(anhydrous) | 6.1-10.2 (%) | 6.73 % |
| Water by Karl Fischer | 0-6 (%) | 0.68 % |
| Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O) | 31-35 (°) | 33.45 ° |
| 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 |



John Su
QA & QC Manager