

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-14 15:35:21
Date of Next Testing: 2027-01-13 15:35:21
Product Name: **D-Glucose 6-phosphate sodium salt**
CAS Number: 54010-71-8
Specifications & Purity: 97%
Lot #: A2310372
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] ₂₀ /D(c=10 in H ₂ 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 ₂ O , Colorless to Faint Yellow Clear pass ,50 mg/mL, H ₂ O | | Pass |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager