

Certificate of Analysis

Date of Testing: 2024-08-21 14:03:21

Date of Next Testing: 2028-08-20 14:03:21

Product Name: **6-Phosphogluconic acid trisodium salt**

CAS Number: 53411-70-4

Specifications & Purity: 99%

Lot #: H2412381

SKU #: **P111889**

Version: **0**

Analysis #: **388638**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer(3.5mol/mol)	0-15.6 (%)	3.84 %
glucose 6-phosphate	0-0.05 (%)	0.01 %
Assay(enzymatic Assay)	99-100 (%)	99.63 %
Solvent content (GC)	0-0.5 (%)	0.05 %
Sodium(by ICP)	18.8-21.5 (%)	20.62 %
inorganic phosphorus	0-0.5 (%)	0.03 %
Appearance (P111889)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass



John Su
QA & QC Manager