

Certificate of Analysis

Date of Testing: 2024-04-12 08:46:45

Date of Next Testing: 2028-04-11 08:46:45

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

CAS Number: 53411-70-4

Specifications & Purity: 99%

Lot #: D2409072

SKU #: **P111889**

Version: **0**

Analysis #: **226688**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer(3.5mol/mol)	0-15.6 (%)	7.87 %
glucose 6-phosphate	0-0.05 (%)	0.04 %
Solvent content (GC)	0-0.5 (%)	0.28 %
Sodium(by ICP)	18.8-21.5 (%)	19.86 %
inorganic phosphorus	0-0.5 (%)	0.35 %
Assay(enzymatic Assay)	99-100 (%)	99.38 %
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