

Certificate of Analysis

Date of Testing: 2025-06-11 17:09:44

Date of Next Testing: 2029-06-10 17:09:44

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

CAS Number: 53411-70-4

Specifications & Purity: $\geq 99\%$

Lot #: F2510671

SKU #: **P111889**

Version: **0**

Analysis #: **516245**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer(3.5mol/mol)	0-15.6 (%)	9.39 %
glucose 6-phosphate	0-0.05 (%)	0.03 %
Assay(enzymatic Assay)	99-100 (%)	100.00 %
Solvent content (GC)	0-0.5 (%)	0.20 %
Sodium(by ICP)	18.8-21.5 (%)	18.90 %
inorganic phosphorus	0-0.5 (%)	0.30 %
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