

## Certificate of Analysis

Date of Testing: 2023-06-04 15:25:50

Date of Next Testing: 2027-06-03 15:25:50

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

CAS Number: 53411-70-4

Specifications & Purity: 99%

Lot #: E23301223

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 <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in H <sub>2</sub> O | pass                      | Pass                      |



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