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Certificate of Analysis

Catalogue Number 01265
Lot Number 000347-02010280
Product **Sodium citrate dihydrate**

Citric acid trisodium salt dihydrate

Sodium citrate tribasic dihydrate

CAS Number 6132-04-3
Molecular Formula $C_6H_5Na_3O_7 \cdot 2H_2O$
Molecular Weight 294.1

Appearance White crystalline powder
Solubility Freely soluble in water, practically insoluble in ethanol (96%)
Bulk density 1027 g/l
Heavy Metals < 5 ppm
Sulfur Compounds Sulfates (SO₄): < 100 ppm
Anion Chloride (Cl⁻): < 50 ppm
Cation Arsenic (As): < 0.5 ppm
Iron (Fe): 1.4 ppm
Cadmium (Cd): < 0.5 ppm
Lead (Pb): < 0.5 ppm
Mercury (Hg): < 0.1 ppm
pH 8.45 (1%)
Alkalinity Passes test
Loss on Drying 12.3% (18 hours at 180 °C)
Readily Carbonizable Substance Passes test
Related Substances Oxalates: < 100 ppm
Tartrate: Passes test
Assay by titration 99.7% (anhydrous basis)

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Grade USP

Storage Store at RT

Additional Information Identification: Passes test

Remarks See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager