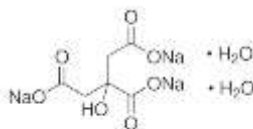


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

TRI-SODIUM CITRATE DIHYDRATE 99% AR

citric acid trisodium salt dihydrate



Product Code	O-5289	Grade	Analytical Reagent
Purity	99 %	CAS No	6132-04-3
Molecular Formula	C ₆ H ₅ Na ₃ O ₇ · 2 H ₂ O	Molecular Weight	294,10 g/mol
H.S.Code	2918 1520	Shelf Life	60 Months

Physical Properties

Physical state	solid	Colour	White
Melting point	300 °C	pH	7,5 - 9 at 29,4 g/l at 25 °C
Solubility in water	29,4 g/l at 20 °C		

Packaging

500 gram

Specification

Appearance	A white crystalline powder or white granular crystals, or colourless crystals, slightly deliquescent in nature
Assay (by HClO ₄ titration)	99 - 100.5%
Solubility	10% solution in water is clear and colourless
Identification	Passes test
Reducing substances	Passes test
Insoluble matter	max 0.005 %
Acidity or alkalinity (as HCl or NaOH)	Passes test
pH (50 mg/mL in water; 25°C)	7.5 - 9.0
Arsenic (As)	max 0.0001 %
Chloride (Cl)	max 0.003 %
Sulphate (SO ₄)	max 0.005 %
Ammonium (NH ₄)	max 0.003 %
Copper (Cu)	max 0.001 %
Calcium (Ca)	max 0.005 %

Heavy metals (by ICP-OES)	max 0.0005 %
Iron (Fe)	max 0.0005 %
Lead (Pb)	max 0.0001 %
Oxalate (as C ₂ O ₄)	max 0.01 %
Tartarate (C ₄ H ₆)	passes test
Readily carbonisable substance	passes test
Water (by KF)	11.0 - 13.0 %

Safety Information and Hazard Symbols

NO GHS

Symbol: not available: not applicable

Signal Word: not applicable

UN No.: not applicable

IMCO Class No.: not applicable

Packing Group: not applicable

Hazardous Statement: not applicable

Precaution Statement: not applicable