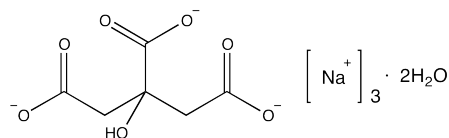


tri-Sodium citrate dihydrate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur
Identification

$C_6H_5Na_3O_7 \cdot 2H_2O$
 $M = 294,10 \text{ g/mol}$
 CAS [6132-04-3]
 EC number: 200-675-3
 Taric code: 2918 15 00


Applications

analytical chemistry, in buffer solutions, for the analysis of: aminoacids, in food industry (E-331), emulsifier, antioxidant, preservative agent.

Specifications

assay (titration with $HClO_4$).....	min. 99,5 %	phosphates (as PO_4).....	max. 0,002 %
assay (titr. with $HClO_4$, referred to dried sample)	99,0 - 101,0 %	sulfates (SO_4).....	max. 0,004 %
identity (IR-spectrum).....	passes test	total nitrogen (as N).....	max. 0,001 %
appearance of solution.....	clear and colourless	ammonia (NH_3).....	max. 0,003 %
insoluble in water.....	max. 0,005 %	calcium (Ca).....	max. 0,005 %
pH (5 %, H_2O).....	7,5 - 9,0	heavy metals.....	max. 5 ppm
acidity or alkalinity.....	passes test	iron (Fe).....	max. 5 ppm
chlorides (Cl).....	max. 0,001 %	substances darkened by H_2SO_4	passes test
oxalates (C_2O_4).....	max. 300 ppm	water (K.F.).....	11,0 - 13,0 %

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: $1,76 \text{ g/cm}^3$
- Bulk density: $\sim 600 \text{ kg/m}^3$
- Solub. in water: (25 °C): 425 g/l
- Melting point: 150 °C (anhydrous substance)
- pH(50 g/l H_2O , 20 °C) 7,5 - 9,5

Transport/storage

- 10°C - 30°C