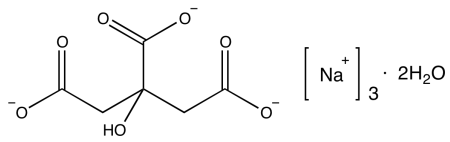
SO0200
tri-Sodium citrate dihydrate, ExpertQ®, ACS, ISO, Reag. Ph Eur

Identification

$C_6H_5Na_3O_7 \cdot 2H_2O$
M = 294,10 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 HClO4)	min. 99,5 %	phosphates (as PO_4)	max. 0,002 %
assay (titr. with HClO4, referred to dried sample)	99,0 - 101,0 %	sulfates (SO_4)	max. 0,004 %
		total nitrogen (as N)	max. 0,001 %
identity (IR-spectrum)	passes test	ammonia (NH_3)	max. 0,003 %
appearance of solution	clear and colourless	calcium (Ca)	max. 0,005 %
insoluble in water	max. 0,005 %	heavy metals	max. 5 ppm
pH (5 %, H_2O)	7,5 - 9,0	iron (Fe)	max. 5 ppm
acidity or alkalinity	passes test	substances darkened by H_2SO_4	passes test
chlorides (Cl)	max. 0,001 %	water (K.F.)	11,0 - 13,0 %
oxalates (C2O4)	max. 300 ppm		

Physical data

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

Toxicological data

- WGK: 1
- Poison class CH (Swiss): F