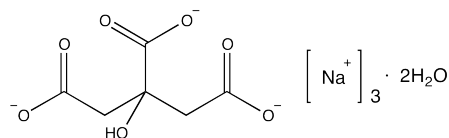


tri-Sodium citrate dihydrate, Pharmapur®, Ph Eur, BP, USP

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, in pharma industry.

Specifications

assay USP (titr. with $HClO_4$, referred to dried sample)	99,0 - 100,5	alkalinity.....	passes test
%		chlorides (Cl).....	max. 50 ppm
assay EP (titr. with $HClO_4$, referred to dried sample)	99,0 - 101,0	oxalates (C_2O_4).....	max. 300 ppm
%		sulfates (SO_4).....	max. 150 ppm
Identification sodium.....	passes test	tartrates (C_4O_6).....	passes test
Identification citrate.....	passes test	substances darkened by H_2SO_4	passes test
Identification C (USP).....	passes test	water (K.F.).....	11,0 - 13,0 %
appearance of solution.....	clear and colourless	loss on drying (180 °C, 18h).....	10,0 - 13,0 %
acidity or alkalinity.....	passes test		

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 1,76 g/cm³
- Bulk density: ~ 600 kg/m³
- 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