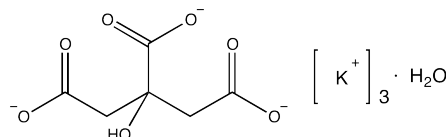


tri-Potassium citrate monohydrate, Pharmpur®, Ph Eur, BP, USP

Identification

$C_6H_5K_3O_7 \cdot H_2O$
M = 324,42 g/mol
CAS [6100-05-6]
EC number: 212-755-5
Taric code: 2918 15 00



Synonyms

Citric acid potassium salt, Tripotassium citrate

Applications

in food industry (E-332), antioxidant, preservative agent, laboratory reagent, in pharma industry.

Specifications

assay (titr. with $HClO_4$, referred to dried sample)	99,0 - 100,5 %	oxalates (C_2O_4).....	max. 300 ppm
Identification potassium.....	passes test	sulfates (SO_4).....	max. 150 ppm
Identification citrate.....	passes test	tartrates (C_4O_6).....	passes test
appearance of solution.....	clear and colourless	sodium (Na).....	max. 0,3 %
acidity or alkalinity.....	passes test	readily carbonizable substances.....	passes test
alkalinity.....	passes test	loss on drying (180 °C)	3,0 - 6,0 %
chlorides (Cl).....	max. 50 ppm	water (K.F.).....	4,0 - 7,0 %

Physical data

- Appearance: crystals, colourless
- Spec. Density: 1,98 g/cm³
- Bulk density: ~ 800 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 230 °C (decomposes)
- pH(50 g/l H_2O , 20 °C) 7,5 - 9,5

Transport/storage

- 10°C - 30°C