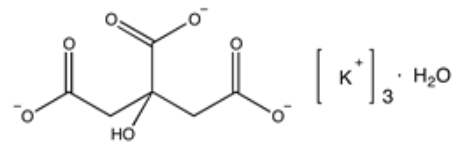


## tri-Potassium citrate monohydrate, Pharmapur®, Ph Eur, BP, USP

**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 <sub>4</sub> , referred to dried sample)	99,0 - 100,5 %	oxalates (C <sub>2</sub> O <sub>4</sub> )	max. 300 ppm
Identification potassium	passes test	sulfates (SO <sub>4</sub> )	max. 150 ppm
Identification citrate	passes test	tartrates (C <sub>4</sub> O <sub>6</sub> )	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/cm<sup>3</sup>
- Bulk density: ~ 800 kg/m<sup>3</sup>
- Solub. in water: (20 °C): soluble
- Melting point: 230 °C (decomposes)
- pH(50 g/l H<sub>2</sub>O, 20 °C) 7,5 - 9,5

**Transport/storage**

- 10°C - 30°C