

## tri-Sodium citrate dihydrate, molecular biology grade

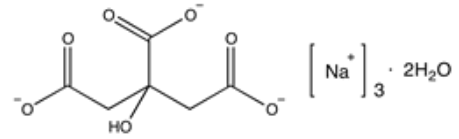
**Identification** $C_6H_5Na_3O_7 \cdot 2H_2O$ 

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 HClO<sub>4</sub>)..... min. 99,5 %  
identity (IR-spectrum)..... passes test  
absorbance of an aqueous solution  
0,1 M in a 1 cm cell at 260 nm..... max. 0,01 AU

absorbance of an aqueous solution  
0,1 M in a 1 cm cell at 280 nm..... max. 0,01 AU  
heavy metals..... max. 0,001 %  
DNases, RNases, Proteases ..... non detected

**Physical data**

- Appearance: crystals, colourless or white
- Spec. Density: 1,76 g/cm<sup>3</sup>
- Bulk density: ~ 600 kg/m<sup>3</sup>
- Solub. in water: (25 °C): 425 g/l
- Melting point: 150 °C (anhydrous substance)
- pH(50 g/l H<sub>2</sub>O, 20 °C) 7,5 - 9,5

**Transport/storage**

- 15°C - 25°C