

Product Specification

Trisodium Citrate Dihydrate

Food & Pharmaceutical Grade (conforms to Ph. Eur. / USP / FCC / EU)

Product name	Trisodium citrate dihydrate	$C_6H_5Na_3O_7 \cdot 2H_2O$
EC No.	200-675-3	
CAS No.	6132-04-3	
E-No.	E 331	
Characteristics	White, granular crystals or a white, crystalline powder; slightly deliquescent in moist air, freely soluble in water, practically insoluble in ethanol (96%)	

Odour	typical, practically odourless
Identification	conforms
Appearance of solution	clear and colourless
Acidity or alkalinity	conforms
pH-value (5% solution)	7.5 - 9.0
Readily carbonisable substances	conforms
Chloride	max. 50 mg/kg
Oxalic acid / oxalate	max. 100 mg/kg
Sulphate	max. 100 mg/kg
Tartrate	conforms
Heavy metals	max. 5 mg/kg
Arsenic	max. 1 mg/kg
Lead	max. 0.5 mg/kg
Mercury	max. 0.5 mg/kg
Water (Loss on drying)	11.0 - 13.0 %
Assay	99.0 - 100.5 %

We herewith confirm that this product meets the requirements of the latest edition of the European Pharmacopoeia (Ph. Eur.), the United States Pharmacopoeia (USP), the Food Chemicals Codex (FCC) and of Commission Regulation (EU) No 231/2012. All analytical methods are in accordance with the latest requirements of the Ph. Eur., the USP, the FCC or are equivalent. Test methods are available on request.