

## Product Specification

### Citric Acid Monohydrate

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

Product name	Citric acid monohydrate	$C_6H_8O_7 \cdot H_2O$
EC No.	201-069-1	
CAS No.	5949-29-1	
E-No.	E 330	
Characteristics	Colourless crystals or a white, crystalline powder; efflorescent in dry air, very soluble in water, freely soluble in ethanol (96%), sparingly soluble in ether	

Odour	typical, practically odourless
Identification	conforms
Appearance of solution	clear and colourless
Clarity of solution	conforms
Colour of solution	conforms
Readily carbonisable substances	conforms
Oxalic acid / oxalate	max. 100 mg/kg
Sulphate	max. 100 mg/kg
Heavy metals	max. 5 mg/kg
Arsenic	max. 1 mg/kg
Lead	max. 0.5 mg/kg
Mercury	max. 0.5 mg/kg
Calcium	max. 30 mg/kg
Iron	max. 3 mg/kg
Chloride	max. 5 mg/kg
Residue on ignition	max. 0.05 %
Sulphated ash	max. 0.05 %
Water	7.5 - 8.8 %
Assay	99.7 - 100.3 %

We herewith confirm that this product is specified to meet 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.