



Specification

Concerning Product:	
Article number	77929SPEUL
Trade name / designation / denomination	Citronensäure wasserfrei, Pharma & Food
CAS number	77-92-9
Other names / synonyms	•citric acid;
EC number	201-069-1
Customs tariff number / CN code / TARIC	29181400
Molecular weight [g / mol]	192.13
Formula	C ₆ H ₈ O ₇
Danger	
Causes serious eye damage. IF IN EYES: Call a POISON CENTER or doctor/physician. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.	

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	clear and colourless	
Colour	colorless to white	
Odour	odourless	
Physical parameter		
Form	crystalline powder	
Loss on drying	≤ 0,50	%
Solubility	in alcohol (96%): soluble	
Solubility	in ether: slightly soluble	
Solubility	in water: easily soluble	
Identity		
Assay	99,7 – 100,3	%
Identification	Behavior against sulfuric acid: corresponds	
Identification	complies	
Impurities		

Residue on ignition	≤ 0,05	%
Heavy Metals (as Pb)	≤ 5	mg/kg
Oxalate (as anhydros Oxalic Acid)	≤ 100	mg/kg
Sulphated ash	≤ 0,05	%
Sulphates (SO ₄)	≤ 100	mg/kg
Elemental Impurities		
Arsenic (As)	≤ 1	mg/kg
Calcium (Ca)	≤ 30	mg/kg
Chlorides (Cl)	≤ 5	mg/kg
Iron (Fe)	≤ 3	mg/kg
Mercury (Hg)	≤ 5	mg/kg
Lead (Pb)	≤ 5	mg/kg

Supplemental information:

Note: The manufacturer confirms that this product meets the requirements of the latest edition of the European Pharmacopoeia (Ph. Eur.), the United States Pharmacopeia (USP), the Food Chemical Codex (FCC) and is equivalent to Commission Regulation (EU) No. 231/2012. All analytical methods comply with the regulations of the latest edition of Ph. Eur., the USP, the FCC or are equivalent.

Complies with monographie: EP, USP, FCC, E 330

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 25. Feb. 2020

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