



Specification

Concerning Product:	
Article number	77929RPEBUF
Trade name / designation / denomination	Zitronensäure wasserfrei
CAS number	77-92-9
Other names / synonyms	•citric acid;
EC number	201-069-1 201-069-1
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	The solution is clear and not more intensely coloured than reference solution Y ₇ , BY ₇ oder GY ₇ .	
Colour	white	
Physical parameter		
Form	crystalline powder, crystals or granules	
Loss on drying	≤ 0,5	%
Melting range	≥ 153	°C
Solubility	in ethanol: freely soluble	
Solubility	in Ether: sparingly soluble	
Solubility	in Water: very soluble	
Identity		
Assay	99,5 – 100,5	
Identification	A complies to ZVV (E330)	
Identification	A,B,C,D,E comply to BP98	

Impurities		
Heavy Metals (as Pb)	≤ 5	ppm
Oxalate (as anhydros Oxalic Acid)	≤ 100	ppm
Readily carbonizable substances	The solution is clear and not more intensely coloured than a mix of 1ml of red primary solution and 9 ml of yellow primary solution.	
Sulphated ash	≤ 0,05	%
Sulphates (SO ₄)	≤ 150	ppm
Elemental Impurities		
Arsenic (As)	≤ 1	ppm
Mercury (Hg)	≤ 1	ppm
Lead (Pb)	≤ 1	ppm
Particle size distribution		
Particles	8 – 80 mesh	

Supplemental information:

Complies with monographie: BP 98, E330

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 01. Feb. 2022

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