



Spezifikation

Produktbezug:	
Produktnummer	5949291EUPEBUL
Handelsname / Bezeichnung	Zitronensäure Monohydrat EP/USP/BP/FCC
CAS Nummer	5949-29-1
Andere Bezeichnungen / Synonyme	•1,2,3-Propanetricarboxylic acid, 2-hydroxy-, hydrate (1:1); •2-hydroxypropane-1,2,3-tricarboxylic acid hydrate; •Citric Acid monohydrate; •Zitronensäuremonohydrat;
EG Nummer	201-069-1
Zolltarifnummer / CN-Code	29181400
Molekulargewicht [g/mol]	210.1388
Formel	C ₆ H ₁₀ O ₈
Gefahr	
Verursacht schwere Augenschäden. Verursacht schwere Augenreizung. BEI KONTAKT MIT DEN AUGEN: GIFTINFORMATIONSZENTRUM oder Arzt anrufen. Eventuell Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter ausspülen. Einige Minuten lang behutsam mit Wasser ausspülen.	

Parameter	Specification	Unit
Sensorische Prüfung		
Aussehen der Lösung	Entspricht dem Test	
Aussehen	feines, weeißes kristallines Pulver	
Physikalische Parameter		
Trocknungsverlust	7,5 – 8,8	%
Löslichkeit	sehr l��slich in Wasser, frei l��slich in Ethanol (98%)	
Identifikation		
Gehalt	99,5 – 100,5	%
Identifizierung	Entspricht dem Test	
Verunreinigungen		
Schwermetalle (als Pb)	� 5	ppm
Oxalate (als wasserfreie Oxals��ure)	� 0,01	%
Leicht carbonisierbare Substanzen	A � 0.52; T � 30	%
Sulphatasche	� 0,05	%
Sulphat (SO4)	� 0,015	%
Verunreinigung	polyzyklische aromatische Kohlenwasserstoffe (260-350nm) � 0,05	
Verunreinigung	Tridodecylamine � 0,1	mg/kg

Elementare Verunreinigungen		
Aluminium (Al)	≤ 0,2	ppm
Arsen (As)	≤ 1	mg/kg
Barium (Ba)	Entspricht dem Test	
Calcium (Ca)	≤ 0,02	%
Cadmium (Cd)	≤ 1	mg/kg
Chloride (Cl)	≤ 0,005	%
Quecksilber (Hg)	≤ 1	mg/kg
Mangan (Mn)	≤ 1	%
Blei (Pb)	≤ 0,5	mg/kg
Mikrobiologische Daten		
Bakterielle Endotoxine	≤ 0,5	I.U./mg
Partikelgrößenverteilung		
Partikel	8-40 mesh	

Zusätzliche Angaben:

Mindesthaltbarkeit: 3 Jahre

Entspricht der Monographie: BP2014/USP36/FCC9/E330/EP9.0

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 28. Mar. 2025

LF-Basis: ()

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