



Specification

Concerning Product:	
Article number	5970456V02
Trade name / designation / denomination	Zinkacetat 2-Hydrat, Food, USP
CAS number	5970-45-6
Other names / synonyms	•Acetic acid, zinc salt, hydrate (2:1:2); •zinc diacetate dihydrate;
EC number	611-865-4
Molecular weight [g / mol]	183,46
Formula	C ₄ H ₁₀ O ₆ Zn
Warning  UN 3077, 9 (Verschiedene gefährliche Stoffe und Gegenstände), Harmful if swallowed. Very toxic to aquatic life with long lasting effects. Do not get in eyes, on skin, or on clothing. Avoid release to the environment.	

Parameter	Specification	Unit
Organoleptic test		
Appearance	crystals	
Colour	white	
Physical parameter		
pH value	(5%): 6 – 8	
Identity		
Assay	98,0 – 102,0	%
Identification	complies	
Impurities		
Heavy Metals (as Pb)	in accordance to ICH guidelines for elemental impurities	ppm
Insoluble impurities	≤ 0,005	%
Sulphates (SO ₄)	≤ 100	ppm
Impurity	Alkali and alkaline earths: ≤ 0,2	%
Residual Solvents		
Residual solvents	Complies with Ph. Eur. (ICH 283/95) and USP <467>	
Elemental Impurities		
Arsenic (As)	≤ 3	ppm
Cadmium (Cd)	≤ 2	ppm
Chlorides (Cl)	≤ 50	ppm
Lead (Pb)	≤ 10	ppm
Thallium (Tl)	≤ 10	ppm
Microbiological data		
Total Plate Count	≤ 2000	CFU/g
Yeast and Mould	≤ 200	CFU/g

Supplemental information:

Complies with monographie: USP

Usage: suitable for food and cosmetic use

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 31. Oct. 2025

LF-Basis: E-Mail 2025-10-21 ()

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