



Specification

Concerning Product:	
Article number	7789777LPU
Trade name / designation / denomination	Di-Calciumphosphat-Dihydrat, USP
CAS number	7789-77-7
Other names / synonyms	•Calciumhydrogenphosphat-2-hydrat; •Phosphoric acid, calcium salt, hydrate (1:1:2);
EC number	616-542-1 231-826-1
Customs tariff number / CN code / TARIC	28352600
Molecular weight [g / mol]	136,06
Formula	CaHPO ₄ HCaO ₄ P

Parameter	Specification	Unit
Organoleptic test		
Colour	white	
Physical parameter		
Form	powder	
Form	Pulver	
Identity		
Assay	CaHPO ₄ *2H ₂ O: 98,0 – 105,0	%
Identification	complies	
Impurities		
Residue on ignition	(@ 800°C) 24,5 – 26,5	%
Heavy Metals (as Pb)	≤ 0,003	%
Insoluble impurities	in acid: ≤ 0,2	%
Sulphates (SO ₄)	≤ 0,5	%
Impurity	CO ₃ : complies	%
Impurity	CO ₃ : entspricht	%
Residual Solvents		
Residual solvents	The controlled production, handling and storage of this material precludes the presence of the organic solvents as specified in Ph.Eur. (ICH 283/95) and USP <467>.	
Elemental Impurities		
Arsenic (As)	≤ 0,0003	%
Barium (Ba)	complies	
Chlorides (Cl)	≤ 0,25	%
Fluorine (F)	≤ 50	ppm
Microbiological data		
Aerobic microorganisms	(TAMC): ≤ 2000	CFU/g
Yeast and Mould	(TYMC): ≤ 200	CFU/g

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 06. May. 2022

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