

**PRODUCT CODE: 141226****Calcium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade**

 $\text{HCaO}_4\text{P} \cdot 2\text{H}_2\text{O}$ $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$

M.= 172,09

CAS [7789-77-7]

EINECS 231-826-1

TARIC 2835 25 00 00

SYNONYMS: Calcium Phosphate sec.**PHYSICAL DATA:** crystalline powder, White, Soluble in water 0,2 g/l at 20 °C Thermal decom. above 36 °C • D 2,32

• pH(100g/l)7,5 •

BIBLIOGRAPHY: Merck Index **12**, 1.739 13, 1.697 Safety **2** , **669 D** • Römp **8** , **568** • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) 7.6 • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •**HAZARDOUS:****SPECIFICATIONS:**

Assay (Compl.)	98,0-105,0%
Identity :	
Identity according to Pharmacopoeias:	passes test
Maximum limit of impurities	
Insoluble matter in HCl	0,2 %
Loss on ignition	24,5-26,5 %
Chloride (Cl)	0,01%
Sulfate (SO ₄)	0,5%
Carbonate	passes test
Residual solvents (Ph.Eur/USP)	passes test

Fluoride (F)	0,005%
mono and tri-Calcium Phosphate	passes test
Heavy metals (as Pb)	0,003%
As	0,00015 %
Ba	passes test
Fe	0,04 %
Elemental impurities (ICH Q3D):	
Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm
Class 2B	
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	200 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm