

**PRODUCT CODE: 141509****Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade** $\text{H}_2\text{KO}_4\text{P}$ KH_2PO_4

M.= 136,09

CAS [7778-77-0]

EINECS 231-913-4

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SYNONYMS: Potassium Phosphate , mono-Basic, Potassium Phosphate , primary**PHYSICAL DATA:** Crystalline powder or Crystals, Colourless or white, Thermal decom. above 253 °C • Freely soluble in water, practically insoluble in ethanol 96%. • D 2,34 • M.P.: 252 °C • pH(50g/l)4,4 •**BIBLIOGRAPHY:** Merck Index **12**, 7.829 13, 7.744 Römp **8** , **2023** • ACS **XI** • ISO 6353/3-1987R - 79 , 52 • BP.**2025** • USP -NF **38** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •**HAZARDOUS:****SPECIFICATIONS:**

Assay (Acidim.) calc. a.d.s.	98,0-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
pH of 5% solution	4,2-4,5

Maximum limit of impurities

Appearance	passes test
Appearance of solution	passes test
Insoluble matter in H ₂ O	0,2 %
Reducing substances	passes test
Loss on drying at 130°C	1,0%
Chloride (Cl)	0,02%
Sulfate (SO ₄)	0,03%
Residual solvents (Ph.Eur/USP)	passes test

Fluoride (F)	0,001%
As	0,0001 %
Fe	0,001 %
Pb	0,00005 %

Elemental impurities (ICH Q3D):

Class 1

Cd	0,5 ppm
Pb	0,5 ppm
As	1 ppm
Hg	1,5 ppm

Class 2A

Co	5 ppm
V	10 ppm
Ni	20 ppm

Class 2B

Tl	5 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 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