



PRODUCT CODE: 141512

di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade

$\text{HK}_2\text{O}_4\text{P}$

K_2HPO_4

M.= 174,18

CAS [7758-11-4]

EINECS 231-834-5

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SYNONYMS: Potassium Biphosphate, Potassium Phosphate di-Basic, Potassium Phosphate secondary

PHYSICAL DATA: Small crystals, White, Soluble in water 1.600 g/l at 20 °C Thermal decom. above 180 °C • D 20/4 2,44 • pH(100g/l)9,1 •

BIBLIOGRAPHY: Merck Index **12**, 7.828 13, 7.743 Römp **8** , **2024** • ACS **XI** • BP.**2025** • USP **43** • 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	8,5-9,6

Maximum limit of impurities

Appearance of solution	passes test
Insoluble matter in H ₂ O	0,01 %
Reducing substance to KMnO ₄	passes test
Loss on drying at 130°C	1,0%
Chloride (Cl)	0,02%
Sulfate (SO ₄)	0,05%
Residual solvents (Ph.Eur.)	passes test
Fluoride (F)	0,001%
Potassium di-Hydrogen Phosphate	passes test

Fe	0,001 %
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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

Tl	0,8 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