



PRODUCT CODE: 131512

di-Potassium Hydrogen Phosphate anhydrous (Reag. USP, Ph. Eur.) for analysis, ACS

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

K_2HPO_4

M.= 174,18

CAS [7758-11-4]

EINECS 231-834-5

TARIC 2835 24 00 00

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.**2021** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) • F.C.C **11 12** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS:

SPECIFICATIONS:

Minimum assay (Acidim.) 99,0%

pH of 5% solution 8,7-9,4

Maximum limit of impurities

Insoluble matter in H₂O 0,005 %

Loss on drying at 105°C 1,0%

Chloride (Cl) 0,002%

Nitrogen compounds (as N) 0,001%

Sulfate (SO₄) 0,005%

As 0,00005 %

Heavy Metals (ICP-OES) 0,0005 %

Metals by ICP [in mg/Kg (ppm)]

Ag	5
Al	5
Au	5
B	5
Be	5
Bi	5
Ca	50
Cd	5
Co	5
Cr	5
Cu	2
Fe	5
Ga	5
Ge	5
In	5
Li	10
Mg	5
Mn	5
Mo	5
Na	500
Ni	5
Pb	5
Pt	5
Sb	5
Se	5
Sn	5
Sr	5
Ti	5
V	5
Zn	5
Zr	5