



PRODUCT CODE: 131512

di-Potassium Hydrogen Phosphate anhydrous (Reag. 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

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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.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • 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 |