



PRODUCT CODE: 131509

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

H₂KO₄P

KH₂PO₄

M.= 136,09

CAS [7778-77-0]

EINECS 231-913-4

TARIC 2835 24 00 00

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.**2021** • USP -NF **37** • 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 4,2-4,5

Maximum limit of impurities

Insoluble matter in H₂O 0,01 %

Loss on drying at 105°C 0,2%

Chloride (Cl) 0,0005%

Nitrogen compounds (as N) 0,001%

Sulfate (SO₄) 0,003%

As 0,0002 %

Heavy Metals (ICP-OES) 0,001 %

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

Ag 5

Al	5
Au	5
B	5
Ba	5
Be	5
Bi	5
Ca	50
Cd	5
Co	5
Cr	5
Cu	5
Fe	10
Ga	5
Ge	5
In	5
Mg	5
Mn	5
Mo	5
Na	50
Ni	5
Pb	5
Sb	5
Se	5
Si	5
Sr	5
Ti	5
Tl	5
V	5
Zn	5
Zr	5