

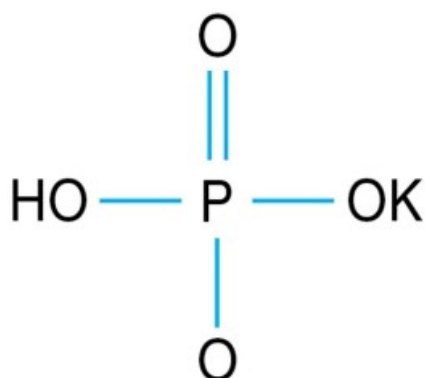


1.5 M Potassium phosphate monobasic - 200 ml

Crystallization grade Potassium phosphate monobasic for formulating screens or for optimization

Product codes:

Reference: HR 2553



Product gallery:



Product description:

- Sterile filtered solution
- Formulated in Type 1+ ultrapure water: 18.2 megaohm-cm resistivity at 25°C, 5 ppb Total Organic Carbon, bacteria free (1 Bacteria (CFU/ml)), pyrogen free (0.03 Endotoxin (EU/ml)), RNase-free (0.01 ng/mL) and DNase-free (4 pg/uL)

Potassium phosphate monobasic

Synonyms: Monopotassium phosphate or Potassium dihydrogen phosphate or prim.-Potassium phosphate

H₂KO₄P

KH₂PO₄

Mr 136.09

CAS Number [7778-77-0]

EC Number 231-913-4

Merck 14,7659

RTECS TC6615500

MDL Number MFCD00011401

Purity ?99.5%



pKa1 = 2.15 at 25°C
pKa2 = 6.82 at 25°C
pKa3 = 12.38 at 25°C

Melting point (starting material) 252.6°C (lit)

Measured pH range: 3.8 - 4.3 at 25°C
Measured Conductivity Range: 67.7 - 79.1 mS/cm at 25°C
Measured Refractive Index Range: 1.35354 - 1.35459 at 20°C

Total Impurities: Insoluble matter, passes filter test

Al ?0.0005%
As ?0.00001%
Ba ?0.0005%
Bi ?0.0005%
Ca ?0.001%
Cd ?0.0005%
Cl ?0.0005%
Co ?0.0005%
Cr ?0.0005%
Cu ?0.0005%
Fe ?0.0005%
Li ?0.0005%
Mg ?0.0005%
Mn ?0.0005%
Mo ?0.0005%
N ?0.001%
Na ?0.005%
Ni ?0.0005%
Pb ?0.0005%
SO4 ?0.003%
Sr ?0.0005%
Zn ?0.0005%

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Product features:

CRF - TIPO: Potassium phosphate monobasic