

Potassium dihydrogen phosphate, molecular biology grade**Identification**

KH_2PO_4
M = 136,09 g/mol
CAS [7778-77-0]
EC number: 231-913-4
Taric code: 2835 24 00

Synonyms

Potassium biphosphate, Potassium phosphate monobasic, Primary potassium phosphate, Mono-potassium phosphate

Applications

analytical chemistry; in buffer solutions.

Specifications

assay (acidimetric)..... min. 99,5 %	absorbance of an aqueous solution
absorbance of an aqueous solution	0,1 M in a 1 cm cell at 280 nm..... max. 0,005 AU
0,1 M in a 1 cm cell at 260 nm..... max. 0,005 AU	heavy metals (as Pb)..... max. 0,001 %
	DNases, RNases, Proteases non detected

Physical data

- Appearance: humid crystals, colourless or white
- Spec. Density: 2,34 g/cm³
- Bulk density: ~ 1200 kg/m³
- Solub. in water: (20 °C): 222 g/l
- Melting point: ~ 253 °C (decomposes)
- pH(50 g/l H₂O, 20 °C) ~ 4,4