

di-Potassium hydrogen phosphate trihydrate, HPLC grade**Identification**

$K_2HPO_4 \cdot 3H_2O$
M = 228,23 g/mol
CAS [16788-57-1]
EC number: 231-834-5
Taric code: 2835 24 00

Synonyms

Secondary potassium phosphate, Potassium phosphate dibasic

Applications

in buffer solutions (chromatography).

Specifications

assay (acidimetric).....	min. 99 %	wavelength:.....	absorbance:
identity (IR-spectrum).....	passes test	230 nm.....	0,1 AU
insoluble matter.....	passes test	240 nm.....	0,06 AU
pH (5 %, H ₂ O).....	9,2 - 9,4	250 nm.....	0,04 AU
max. absorbance of an aqueous sol. 10 % in a 1,0 cm cell at		310 nm.....	0,02 AU

Physical data

- Appearance: humid crystals, colourless
- Bulk density: ~ 800 kg/m³
- Solub. in water: (20 °C): freely soluble
- pH(50 g/l H₂O, 20 °C) 9,2 - 9,4

Transport/storage

- 10°C - 30°C