

**di-Potassium hydrogen phosphate trihydrate, ExpertQ®, Reag. Ph
Eur****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. 98 %	copper (Cu).....	max. 0,003 %
insoluble in water.....	max. 0,01 %	heavy metals (as Pb).....	max. 0,001 %
pH (5 %, H ₂ O).....	8,5 - 9,6	iron (Fe).....	max. 5 ppm
chlorides (Cl).....	max. 0,001 %	lead (Pb).....	max. 0,001 %
sulfates (SO ₄).....	max. 0,005 %	nickel (Ni).....	max. 0,001 %
total nitrogen (as N).....	max. 0,001 %	sodium (Na).....	max. 0,1 %
arsenic (As).....	max. 0,5 ppm		

Physical data

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

Toxicological data

- WGK: 1
- Poison class CH (Swiss): 5