

**di-Potassium hydrogen phosphate anhydrous, Pharmpur®, Ph Eur,
BP****Identification**

K_2HPO_4
M = 174,18 g/mol
CAS [7758-11-4]
EC number: 231-834-5
Taric code: 2835 24 00

Synonyms

Dipotassium hydrogen phosphate, Potassium phosphate dibasic

Applications

analytical chemistry, in buffer solutions (phosphates), nutrient media for bacterial culture, in pharma industry.

Specifications

assay (acidimetric, on dried sample).....	98,0 - 101,0 %	potassium dihydrogen phosphate.....	max. 2,5 %
Identification A (EP).....	passes test	chlorides (Cl).....	max. 200 ppm
Identification B (EP).....	passes test	sulfates (SO_4).....	max. 0,1 %
Identification C (EP).....	passes test	arsenic (As).....	max. 2 ppm
appearance of solution.....	clear and colourless	iron (Fe).....	max. 10 ppm
reducing substances.....	passes test	loss on drying (130 °C).....	max. 2,0 %

Physical data

- Appearance: powder, white
- Spec. Density: 2,44 g/cm³
- Bulk density: ~ 700 - 1000 kg/m³
- Solub. in water: (20 °C): soluble
- pH(10 g/l H₂O, 20 °C) 8,7 - 9,4

Transport/storage

- 10°C - 30°C