

**di-Potassium hydrogen phosphate anhydrous, for analysis,
ExpertQ®, ACS, Reag. Ph Eur****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.

Specifications

assay (acidimetric, on dried sample).....	min. 99,0 %	sulfates (SO_4).....	max. 0,005 %
identity (IR-spectrum).....	passes test	nitrogen compounds (as N).....	max. 0,001 %
insoluble in water.....	max. 0,01 %	heavy metals.....	max. 5 ppm
pH (5 %, H_2O).....	8,5 - 9,6	iron (Fe).....	max. 0,001 %
chlorides (Cl).....	max. 0,003 %	sodium (Na).....	max. 0,05 %
		loss on drying (105 °C).....	max. 1,0 %

Physical data

- Spec. Density: 2,44 g/cm³
- Bulk density: ~ 700 - 1000 kg/m³
- Solub. in water: (20 °C): soluble
- pH(10 g/l H_2O , 20 °C) 8,7 - 9,4

Transport/storage

- 10°C - 30°C