

**di-Potassium hydrogen phosphate anhydrous, 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 %	nitrogen compounds (as N).....	max. 0,001 %
identity (IR-spectrum).....	passes test	heavy metals.....	max. 5 ppm
insoluble in water.....	max. 0,01 %	iron (Fe).....	max. 0,001 %
pH (5 %, H ₂ O).....	8,5 - 9,6	sodium (Na).....	max. 0,05 %
chlorides (Cl).....	max. 0,003 %	loss on drying (105 °C).....	max. 1,0 %
sulfates (SO ₄).....	max. 0,005 %		

Physical data

- 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

Toxicological data

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

Transport/storage

- Store between 15°C and 25°C