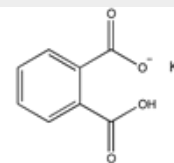


Identification

$C_8H_5KO_4$
 M = 204,22 g/mol
 CAS [877-24-7]
 EC number: 212-889-4
 Taric code: 2917 39 80


Synonyms

Potassium biphthalate, Phthalic acid monopotassium salt, KHP

Applications

analytical chemistry, titrant in volumetric analysis (bases), in buffer solutions.

Specifications

assay (acidimetric, on dried sample).....	min. 99,9 %	copper (Cu).....	max. 2 ppm
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max. 5 ppm
insoluble in water.....	max. 0,005 %	iron (Fe).....	max. 5 ppm
phthalic acid.....	max. 0,005 %	lead (Pb).....	max. 5 ppm
chlorides (Cl).....	max. 0,002 %	nickel (Ni).....	max. 5 ppm
sulfates (SO ₄).....	max. 0,005 %	sodium (Na).....	max. 0,01 %
cadmium (Cd).....	max. 5 ppm	zinc (Zn).....	max. 5 ppm
cobalt (Co).....	max. 5 ppm	loss on drying (105 °C).....	max. 0,2 %

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 1,636 g/cm³
- Bulk density: ~ 900 kg/m³
- Solub. in water: (20 °C): 80 g/l
- Melting point: 295 - 300 °C
- pH(50 g/l H₂O, 20 °C) ~ 4,0

Transport/storage

- 10°C - 30°C