

Sodium dihydrogen phosphate anhydrous, Pharnpur®, BP, USP

Identification

NaH₂PO₄
M = 120,0 g/mol
CAS [7558-80-7]
EC number: 231-449-2
Taric code: 2835 22 00

Synonyms

Sodium biphosphate, Sodium phosphate monobasic

Applications

analytical chemistry, laboratory reagent, in food industry (E 339), in pharma industry.

Specifications

assay (acidimetric, referred to dried sample).....	98,0 - 100,5 %	pH (5 %, H ₂ O).....	4,1 - 4,5
Identification A (EP).....	passes test	chlorides (Cl).....	max. 0,014 %
Identification phosphates USP.....	passes test	sulfates (SO ₄).....	max. 300 ppm
Identification C (EP).....	passes test	aluminium,calcium and related elements.....	passes test
Identification sodium.....	passes test	arsenic (As).....	max. 2 ppm
Identification phosphates EP.....	passes test	iron (Fe).....	max. 10 ppm
appearance of solution.....	clear and colourless	reducing substances.....	passes test
insoluble in water.....	max. 0,2 %	loss on drying (130 °C).....	max. 1,0 %
		water (K.F.).....	max. 2,0 %

Physical data

- Appearance: bulky powder, white
- Bulk density: ~ 940 kg/m³
- Solub. in water: (20 °C): 850 g/l
- Melting point: 200 °C
- pH(50 g/l H₂O, 20 °C) ~ 4,5

Transport/storage

- 10°C - 30°C