

Sodium dihydrogen phosphate dihydrate, Pharmapur®, Ph Eur, BP, USP

Identification

NaH₂PO₄·2H₂O
M = 156,01 g/mol
CAS [13472-35-0]
EC number: 231-449-2
Taric code: 2835 22 00

Synonyms

Sodium biphosphate, Monosodium orthophosphate, Primary sodium phosphate, Sodium phosphate monobasic

Applications

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

Specifications

assay (acidimetric, referred to dried sample).....	98,0 - 100,5 %	chlorides (Cl).....	max. 0,014 %
Identification A (EP).....	passes test	sulfates (SO ₄).....	max. 300 ppm
Identification sodium.....	passes test	aluminium,calcium and related elements.....	passes test
Identification phosphate.....	passes test	arsenic (As).....	max. 2 ppm
appearance of solution.....	clear and colourless	iron (Fe).....	max. 10 ppm
insoluble matter.....	max. 0,2 %	reducing substances.....	passes test
pH (5 %, H ₂ O).....	4,2 - 4,5	loss on drying (130 °C).....	21,5 - 24,0 %
		water content.....	18,0 - 26,5 %

Physical data

- Spec. Density: 1,92 g/cm³
- Bulk density: ~ 1000 kg/m³
- Solub. in water: (20 °C): 850 g/l
- Melting point: 60 °C
- pH(50 g/l H₂O, 20 °C) ~ 4,2 - 4,5

Transport/storage

- 10°C - 30°C