

Sodium dihydrogen phosphate monohydrate, for analysis, ExpertQ®, ACS, Reag. Ph. Eur.**Identification**

NaH₂PO₄·H₂O
M = 137,99 g/mol
CAS [10049-21-5]
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, synthesis of organic products, for pharmaceuticals synthesizing, for softening water, in food industry (E 339).

Specifications

assay (acidimetric).....	98,0 - 102,0 %	sulfates (SO ₄).....	max. 0,003 %
pH (5 %, H ₂ O).....	4,1 - 4,5	calcium (Ca).....	max. 0,005 %
insoluble matter.....	max. 0,01 %	potassium (K).....	max. 0,01 %
chlorides (Cl).....	max. 5 ppm	heavy metals.....	max. 0,001 %
		iron (Fe).....	max. 0,001 %

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 2,04 g/cm³
- Bulk density: ~ 880 kg/m³
- Solub. in water: (20 °C): 850 g/l
- Melting point: ~ 100 °C (decomposes)
- pH(50 g/l H₂O, 20 °C) 4,1 - 4,5

Transport/storage

- 10°C - 30°C