

**Identification**

NaH<sub>2</sub>PO<sub>4</sub>·H<sub>2</sub>O  
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).....	min. 99,5 %	chlorides (Cl).....	max. 0,005 %
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max. 0,001 %
absorbance of an aqueous solution 0,1 M in a 1 cm cell at 260 nm max. 0,01 AU		iron (Fe).....	max. 5 ppm
absorbance of an aqueous solution 0,1 M in a 1 cm cell at 280 nm max. 0,01 AU		DNases, RNases, Proteases .....	non detected

**Physical data**

- Appearance: crystals, colourless or white
- Spec. Density: 2,04 g/cm<sup>3</sup>
- Bulk density: ~ 880 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 850 g/l
- Melting point: ~ 100 °C (decomposes)
- pH(50 g/l H<sub>2</sub>O, 20 °C) 4,1 - 4,5

**Transport/storage**

- 10°C - 30°C