

**Identification**

NaH<sub>2</sub>PO<sub>4</sub>  
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 <sub>2</sub> O).....	4,1 - 4,5
Identification A (EP).....	passes test	chlorides (Cl).....	max. 0,014 %
Identification phosphates USP.....	passes test	sulfates (SO <sub>4</sub> ).....	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/m<sup>3</sup>
- Solub. in water: (20 °C): 850 g/l
- Melting point: 200 °C
- pH(50 g/l H<sub>2</sub>O, 20 °C) ~ 4,5

**Transport/storage**

- 10°C - 30°C