

**di-Sodium hydrogen phosphate anhydrous, for analysis, ExpertQ®,  
ACS, Reag. Ph Eur****Identification**

Na<sub>2</sub>HPO<sub>4</sub>  
M = 141,96 g/mol  
CAS [7558-79-4]  
EC number: 231-448-7  
Taric code: 2835 22 00

**Synonyms**

Disodium hydrogen phosphate, Sodium phosphate dibasic

**Applications**

analytical chemistry, in buffer solutions.

**Specifications**

assay (acidimetric).....	min. 99,0 %	copper (Cu).....	max. 3 ppm
identity (IR-spectrum).....	passes test	heavy metals.....	max. 0,001 %
insoluble in water.....	max. 0,01 %	iron (Fe).....	max. 0,001 %
pH (5 %, H <sub>2</sub> O).....	8,7 - 9,3	lead (Pb).....	max. 0,001 %
chlorides (Cl).....	max. 0,001 %	loss on drying (105 °C).....	max. 0,2 %
sulfates (SO <sub>4</sub> ).....	max. 0,005 %	potassium (K).....	max. 0,01 %

**Physical data**

- Appearance: flourey powder, white
- Spec. Density: 1,53 g/cm<sup>3</sup>
- Bulk density: ~ 880 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 77 g/l
- Melting point: ~ 250 °C (decomposes)
- pH(20 g/l H<sub>2</sub>O, 20 °C) 8,7 - 9,3
- Hygroscopic

**Transport/storage**

- 10°C - 30°C