

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

Na₂HPO₄
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 ₂ 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 ₄).....	max. 0,005 %	potassium (K).....	max. 0,01 %

Physical data

- Appearance: floury powder, white
- Spec. Density: 1,53 g/cm³
- Bulk density: ~ 880 kg/m³
- Solub. in water: (20 °C): 77 g/l
- Melting point: ~ 250 °C (decomposes)
- pH(20 g/l H₂O, 20 °C) 8,7 - 9,3
- Hygroscopic

Transport/storage

- 10°C - 30°C