

**di-Sodium hydrogen phosphate dodecahydrate, for analysis,  
ExpertQ®, ISO****Identification**

Na<sub>2</sub>HPO<sub>4</sub>·12H<sub>2</sub>O  
M = 358,14 g/mol  
CAS [10039-32-4]  
EC number: 231-448-7  
Taric code: 2835 22 00

**Synonyms**

Sodium monohydrogen phosphate, Sodium phosphate dibasic

**Applications**

analytical chemistry, in buffer solutions (phosphates), in porcelain industry, cosmetics.

**Specifications**

assay (acidimetric).....	99 - 102 %	total nitrogen (as N).....	max. 0,002 %
pH (5 %, H <sub>2</sub> O).....	9,0 - 9,4	heavy metals (as Pb).....	max. 5 ppm
chlorides (Cl).....	max. 10 ppm	iron (Fe).....	max. 5 ppm
sulfates (SO <sub>4</sub> ).....	max. 50 ppm	potassium (K).....	max. 100 ppm

**Physical data**

- Appearance: crystals, colourless or white
- Spec. Density: 1,52 g/cm<sup>3</sup>
- Bulk density: ~ 800 - 900 kg/m<sup>3</sup>
- Solub. in water: (20 °C): ~ 218 g/l
- Melting point: 35 °C
- pH(50 g/l H<sub>2</sub>O, 20 °C) ~ 9,0 - 9,4

**Transport/storage**

- 10°C - 30°C