



SO0338

Technical Data Sheet

**di-Sodium hydrogen phosphate dihydrate, Pharmpur®, Ph Eur, BP,
USP****Identification**

$\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$
M = 177,99 g/mol
CAS [10028-24-7]
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 pharma industry.

Specifications

assay (acidimetric, referred to dried sample).....	98,0 - 100,5 %	sulfates (SO_4).....	max. 0,1 %
identification.....	passes test	iron (Fe).....	max. 40 ppm
appearance of solution.....	clear and colourless	monosodium phosphate.....	max. 2,5 %
insoluble in water	max. 0,4 %	reducing substances.....	passes test
arsenic (As).....	max. 4 ppm	loss on drying (130 °C).....	19,5 - 21,0 %
chlorides (Cl).....	max. 400 ppm		

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 2,1 g/cm³
- Bulk density: ~ 850 - 1000 kg/m³
- Solub. in water: (20 °C): 93 g/l
- Melting point: 92,5 °C (release of crystalline water)
- pH(50 g/l H₂O, 20 °C) ~ 9,1 - 9,4

Transport/storage

- 10°C - 30°C