

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. 99,5 %	0,1 M in a 1 cm cell at 280 nm.....	max. 0,05 AU
identity (IR-spectrum).....	passes test	chlorides (Cl).....	max. 0,005 %
absorbance of an aqueous solution		heavy metals.....	max. 0,001 %
0,1 M in a 1 cm cell at 260 nm.....	max. 0,05 AU	iron (Fe).....	max. 0,005 %
absorbance of an aqueous solution		DNases, RNases, Proteases	non detected

Physical data

- Appearance: flouy 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