

Sodium sulfate anhydrous, powder, Pharmpur®, Ph Eur**Identification**

Na₂SO₄
M = 142,04 g/mol
CAS [7757-82-6]
EC number: 231-820-9
Taric code: 2833 11 00

Synonyms

Sulfuric acid sodium salt

Applications

analytical chemistry, organic solvents drying, in pharma industry.

Specifications

assay (on dried sample).....	98,5 - 101,0 %	chlorides (Cl).....	max. 450 ppm
Identification sulfates.....	passes test	calcium (Ca).....	max. 450 ppm
Identification sodium.....	passes test	iron (Fe).....	max. 90 ppm
appearance of solution.....	clear and colourless	magnesium (Mg).....	max. 200 ppm
acidity or alkalinity.....	passes test	loss on drying (130 °C).....	max. 0,5 %

Physical data

- Appearance: crystalline powder , white or almost white
- Spec. Density: 2,70 g/cm³
- Bulk density: ~ 1400 - 1600 kg/m³
- Solub. in water: (20 °C): 160 g/l
- Melting point: 888 °C
- Boiling point: > 890 °C (decomposes)
- pH(50 g/l H₂O, 20 °C) 5 - 8
- Hygroscopic

Transport/storage

- 10°C - 30°C