

Identification

Na₂SO₃
M = 126,04 g/mol
CAS [7757-83-7]
EC number: 231-821-4
Taric code: 2832 10 00

Applications

analytical chemistry, laboratory reagent, solvents (in the cellulose industry), antibacterian, absorbent for: nitrogen oxides (gases).

Specifications

assay (iodometric).....	98,0 - 100,5 %	thiosulfates (S ₂ O ₃).....	max. 0,1 %
identity (IR-spectrum).....	passes test	arsenic (As).....	max. 1 ppm
appearance of solution.....	clear and colourless	copper (Cu).....	max. 5 ppm
insoluble in water.....	max. 0,005 %	heavy metals (as Pb).....	max. 0,001 %
acidity.....	passes test	iron (Fe).....	max. 10 ppm
alkalinity.....	max. 0,03 meq/g	lead (Pb).....	max. 5 ppm
chlorides (Cl).....	max. 0,02 %	selenium (Se).....	max. 10 ppm
		zinc (Zn).....	max. 0,001 %

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 2,63 g/cm³
- Bulk density: ~ 1480 kg/m³
- Solub. in water: (20 °C): 220 g/l
- Melting point: > 500 °C (decomposes)
- pH(50 g/l H₂O, 20 °C) ~ 8,8 - 10

Transport/storage

- 10°C - 30°C