

**Identification**

Na<sub>2</sub>SO<sub>3</sub>  
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 <sub>2</sub> O <sub>3</sub> ).....	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/cm<sup>3</sup>
- Bulk density: ~ 1480 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 220 g/l
- Melting point: > 500 °C (decomposes)
- pH(50 g/l H<sub>2</sub>O, 20 °C) ~ 8,8 - 10

**Toxicological data**

- LD 50 (oral, rat): 2610 mg/kg
- WGK: 1
- Poison class CH (Swiss): 3