

## 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

## Transport/storage

- 10°C - 30°C