

**Identification**

Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
M = 158,10 g/mol  
CAS [7772-98-7]  
EC number: 231-867-5  
Taric code: 2832 30 00

**Synonyms**

Antichlor


**Applications**

analytical chemistry, titrant in volumetric analysis (iodometric analyses), photography, laboratory reagent, for determination of: cobalt, hydrocyanic acid, quinine.

**Specifications**

assay (iodometric, on dried sample).....	min. 98 %	copper (Cu).....	max. 0,001 %
insoluble in water.....	max. 0,01 %	heavy metals (as Pb).....	max. 0,005 %
pH (5 %, H <sub>2</sub> O).....	6,0 - 8,5	iron (Fe).....	max. 0,005 %
chlorides (Cl).....	max. 0,15 %	lead (Pb).....	max. 0,001 %
sulfates and sulfites (as SO <sub>4</sub> ).....	max. 0,5 %	nickel (Ni).....	max. 0,001 %
sulfides (S).....	max. 0,0005 %	zinc (Zn).....	max. 0,001 %
calcium (Ca).....	max. 0,004 %		
cadmium (Cd).....	max. 0,001 %		
cobalt (Co).....	max. 0,001 %		

**Packaging****Packaging Code**

1 kg  SO07201000

**Physical data**

- Spec. Density: 1,667 g/cm<sup>3</sup>
- Bulk density: ~ 1350 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 500 g/l
- Melting point: 48 °C
- Boiling point: 100 °C
- pH(50 g/l H<sub>2</sub>O, 20 °C) 6,0 - 8,5
- Hygroscopic

**Toxicological data**

- LD 50 (oral, rat): > 8000 mg/kg (pentahydrate)
- WGK: 1
- Poison class CH (Swiss): 4