

Sodium thiosulfate anhydrous, EssentQ®**Identification**

$\text{Na}_2\text{S}_2\text{O}_3$
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 %	cadmium (Cd).....	max. 0,001 %
insoluble in water.....	max. 0,01 %	cobalt (Co).....	max. 0,001 %
pH (5 %, H ₂ O).....	6,0 - 8,5	copper (Cu).....	max. 0,001 %
chlorides (Cl).....	max. 0,15 %	heavy metals (as Pb).....	max. 0,005 %
sulfates and sulfites (as SO ₄).....	max. 0,5 %	iron (Fe).....	max. 0,005 %
sulfides (S).....	max. 0,0005 %	lead (Pb).....	max. 0,001 %
calcium (Ca).....	max. 0,004 %	nickel (Ni).....	max. 0,001 %
		zinc (Zn).....	max. 0,001 %

Physical data

- Spec. Density: 1,667 g/cm³
- Bulk density: ~ 1350 kg/m³
- Solub. in water: (20 °C): 500 g/l
- Melting point: 48 °C
- Boiling point: 100 °C
- pH(50 g/l H₂O, 20 °C) 6,0 - 8,5
- Hygroscopic

Transport/storage

- 15°C - 25°C