

Identification

$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
M = 248,18 g/mol
CAS [10102-17-7]
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, in pharma industry.

Specifications

assay (iodometric, referred to dried sample).....	99,0 - 100,5 %	Identification IR.....	passes test
assay (iodometric).....	99,0 - 101,0 %	appearance of solution.....	passes test
Identification A (EP).....	passes test	pH (10 %, H ₂ O).....	6,0 - 8,4
Identification B (EP).....	passes test	sulfates and sulfites (as SO ₄).....	max. 0,2 %
Identification C (EP).....	passes test	sulfides (S).....	passes test
Identification sodium.....	passes test	calcium (Ca).....	passes test
		water content.....	32,0 - 37,0 %

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 1,73 g/cm³
- Bulk density: ~ 1000 kg/m³
- Solub. in water: (20 °C): 680 g/l
- Melting point: 48,5 °C
- pH(100 g/l H₂O, 20 °C) 6,0 - 8,4

Transport/storage

- 10°C - 30°C