

Method

Thiosulfate is an excellent reducing agent. It is used primarily as an *antichlor* or chlorine-removing agent in various chemical processes, including the bleaching of pulp, paper, and textiles.

The Iodometric Method

Reference: APHA Standard Methods, 22nd ed., Method 4500-SO₃²⁻-B-2000.

CHEMetrics' method employs the iodometric chemistry. Although sulfite usually titrates as thiosulfate, the reagent has been formulated to inhibit high-level sulfite interferences. Thiosulfate is titrated with iodide-iodate titrant in acid solution using a starch indicator. Results are expressed as ppm (mg/L) S₂O₃.

Visual Kit

Range: 5-50 ppm
MDL: 5.0 ppm / Method: Iodometric

| Titrets Kit | Cat# |
|-------------|--------|
| | K-9705 |

Increments:
5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 9.0, 10.0, 12.5, 15.0, 17.5, 20.0, 25.0, 35.0, 50.0 ppm

Kit comes in a cardboard box and contains everything needed to perform 30 tests: thirty ampoules with valve assemblies, Neutralizer Solutions, titrettor, 25 mL sample cup and instructions.

Kit Components common to Thiosulfate

| Description | Cat# |
|-------------------------------|--------|
| Sample Cup Pack, 25 mL (6 ea) | A-0013 |
| Titrettor Pack (1 ea) | A-0053 |

Instructions and MSDS(s) are posted on our website.

If no shelf-life is listed for a product, then the shelf-life is at least 2 years.

