

## Method

Reference: APHA Standard Methods, 21<sup>st</sup> ed., Method 4500-SO<sub>3</sub><sup>2-</sup>-B (2005).

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.

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) S<sub>2</sub>O<sub>3</sub>.

## Visual Kits

**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, instructions, and MSDS.

### Kit Components common to Thiosulfate

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

*Instructions are posted on our website.*

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

