

## Method

Mercaptobenzothiazole (MBT) is formulated with various water treatment products to prevent corrosion of copper and copper-containing metals. These tests are particularly well suited to the monitoring of closed-loop cooling water systems and utility condensers where high MBT concentrations are usually maintained.

### The Permanganate Method

Reference: Developed by CHEMetrics, Inc.

CHEMetrics employs a titrimetric chemistry in which MBT is titrated with potassium permanganate in an acidic medium. No additional end point indicator is required. A color change from pink to straw yellow signals the end of the titration. Results are expressed as ppm (mg/L) MBT.

## Visual Kits

Range: 50-500 ppm  
MDL: 50 ppm Method: Permanganate

Titrets Kit	Cat#
	K-6810

Increments:  
50, 55, 60, 65, 70, 75, 80, 90, 100, 125, 150, 175, 200, 250, 350, 500 ppm

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

### Kit Components common to MBT

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.*

