

# MANGANESE KIT

Code 3588-02 | Octa-Slide 2, 0.05-1.0 ppm



QUANTITY	CONTENTS	CODE
60 mL	*Hardness Buffer Reagent	*4255-H
30 mL	*Manganese Indicator Reagent	*3956-G
100 mL	*Chloroform Reagent	*6203-J
15 mL	Metal Inhibitor	2785-E
2	Test Tubes, 6.5 & 10.0 mL, glass w/caps	0893
1	Pipet, 1.0 mL, plastic, w/cap	0372
1	Pipet, 0.5 mL, plastic, w/cap	0369
1	Pipet, 1.0 mL, plastic	0354
1	Low Range Manganese Octa-Slide 2 Bar, 0.05-1.0 ppm	3594-01
1	Octa-Slide 2 Viewer	1101

\*Reagent is a potential health hazard. **READ SDS:** lamotte.com

### Emergency information:

Chem-Tel USA 1-800-255-3924  
Int'l, call collect, 813-248-0585



To order individual reagents or test kit components, use the specified code number.

Warning! This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully.  
Not to be used by children except under adult supervision.

## USE OF THE OCTA-SLIDE 2 VIEWER

NOTE: The following metals interfere above these levels:

Zinc	2 ppm
Nickel	4 ppm
Copper	5 ppm

The following metals produce a purple-brown reaction above these levels:

Iron	5 ppm
Cobalt	25 ppm

If metals above these levels are encountered, the Cyanide Inhibitor Package [LaMotte Code 7104-01] must be used.

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## PROCEDURE

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1. Insert the Low Range Manganese Octa-Slide 2 Bar [3594-01] into the Octa-Slide 2 Viewer [1101].
2. Fill a test tube [0893] to the lower line with sample water.
3. Use 1.0 mL pipet [0372] to add 1.0 mL of \*Hardness Buffer Reagent [4255].
4. Add 2 drops of Metal Inhibitor [2785]. Wait 1 minute.
5. Use 0.5 mL pipet [0369] to add 0.5 mL of \*Manganese Indicator Reagent [3956]. Cap and mix. Wait 2 minutes.
6. Use 1.0 mL pipet [0354] to add 2.0 mL [two measures] of \*Chloroform Reagent [6203]. Cap and mix vigorously for 30 seconds. Allow to stand until the two layers separate.
7. Insert the test tube into Octa-Slide 2 Viewer [1101].
8. Hold the Viewer so that non-direct light enters through the back. Match the color of the lower liquid layer with the standards. It may be necessary to raise the tube to compare the reaction to the upper end of the bar. Record as ppm Manganese.
9. Wash the tubes with soap and water after testing to prevent staining.