



MANGANESE KIT

LOW RANGE COMPARATOR, 0.05-1.0 ppm

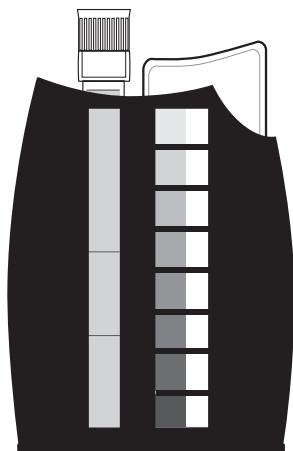
CODE 3588-02

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

*WARNING: Reagents marked with an * are considered to be potential health hazards. To view or print a Material Safety Data Sheet (MSDS) for these reagents go to www.lamotte.com. To obtain a printed copy, contact LaMotte by e-mail, phone or fax.

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

USE OF THE OCTA-SLIDE 2 VIEWER



The Octa-Slide 2 Viewer should be held so non-direct light enters through the back of the Viewer. Insert the reacted sample into the top of the Viewer. Slide the Octa-Slide 2 Bar into the Viewer and match the color of the reaction to the color standards.

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

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.

PROCEDURE

1. Fill a test tube (0893) to the lower line with sample water.
2. Use 1.0 mL pipet (0372) to add 1.0 mL of *Hardness Buffer Reagent (4255).
3. Add 2 drops of *Metal Inhibitor (2785). Wait 1 minute.
4. Use 0.5 mL pipet (0369) to add 0.5 mL of *Manganese Indicator Reagent (3956). Cap and mix. Wait 2 minutes.
5. 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.
6. Insert the Low Range Manganese Octa-Slide 2 Bar (3594-01) into the Octa-Slide 2 Viewer (1101).
7. Insert the test tube into Octa-Slide 2 Viewer (1101).
8. Match the color of the lower liquid layer with the standards. It may be necessary to raise the tube to compare against the upper end of the bar. Record as ppm Manganese.
9. Wash the tubes with soap and water after testing to prevent staining.

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