



MANGANESE KIT

Octa-Slide 2, 0.05-1.0 ppm

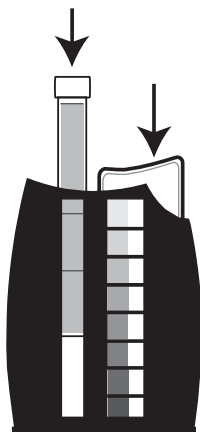
CODE 3588-02

| 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 Safety Data Sheet (SDS) for these reagents go to www.lamotte.com. Search for the four digit reagent code number listed on the reagent label, in the contents list or in the test procedures. Omit any letter that follows or precedes the four digit code number. For example, if the code is 4450WT-H, search 4450. 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. Slide the Octa-Slide 2 Bar into the Viewer. Insert the reacted sample into the top of the Viewer. 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. 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. 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.