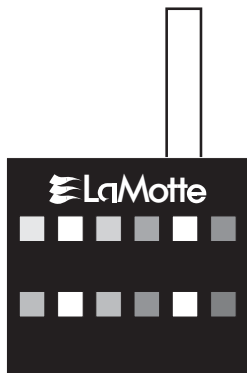

MANGANESE TEST KIT
LOW RANGE
MODEL LMN • CODE 3588-01

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 Comparator, 0.05-1.0 ppm	3594

***WARNING:** Reagents marked with a * are considered to be potential health hazards. To view or print a Material Safety Data Sheet (MSDS) for these reagents see MSDS CD or 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 OCTET COMPARATOR



The Octet Comparator contains eight permanent color standards. A test sample is inserted into the openings in the top of the comparator. The sample can then be compared to four color standards at once, and the value read off the comparator. For optimum color comparison, the comparator should be positioned between the operator and a light source, so that the light enters through the special light-diffusing screen in the back of the comparator. Avoid viewing the comparator against direct sunlight or an irregularly lighted background.

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) 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 test tube into the Low Range Manganese Comparator (3594). Match the color of the lower liquid layer with the standards. It may be necessary to raise the tube to compare against the upper set of standards. Record as ppm Manganese.
7. Wash the tubes with soap and water after testing to prevent staining.

LaMOTTE COMPANY

Helping People Solve Analytical Challenges®

PO Box 329 • Chestertown • Maryland • 21620 • USA
800-344-3100 • 410-778-3100 (Outside U.S.A.) • Fax 410-778-6394
Visit us on the web at www.lamotte.com