

LaMotte

CHLORINE KIT, DUAL RANGE

OCTA-SLIDE 2, 0.1-6.0 ppm

CODE 3314-01

QUANTITY	CONTENTS	CODE
100	Chlorine DPD #1R Tablets	6999A-J
100	Chlorine DPD #3R Tablets	6905A-J
2	Test Tubes 2.5-5.0-10.0 mL, plastic, w/caps	0106
1	Octa-Slide Viewer	1101
1	Chlorine Octa-Slide 2 Bar, 0.1-1.0 ppm	3405-01
1	Chlorine Octa-Slide 2 Bar, 1.0-6.0 ppm	3404-01

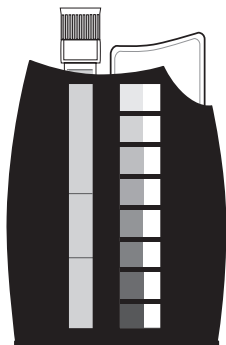
*WARNING: Reagents marked with an * are considered to be potential health hazards. To view or print a Safety Data Sheet (SDS) for these reagents go to www.lamotte.com. Search for the four digit reagent code number listed on the reagent label, in the contents list or in the test procedures. Omit any letter 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 email, phone or fax.

Emergency information for all LaMotte reagents is available from Chem-Tel:
(US, 1-800-255-3924)
(International, call collect, 813-248-0585).

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

This kit is for use in testing water for Free Available Chlorine, Total Residual Chlorine and Combined Chlorine.

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 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.

EPA ACCEPTED PROCEDURE

EPA accepted for NIPDWR monitoring. For compliance monitoring a Check Standard should be prepared.

CHECK STANDARD PREPARATION: 1 ppm Equivalent Solution

1. Dissolve 891 mg of potassium permanganate in 1000 mL of distilled water in a volumetric flask (1000 ppm equivalent solution).
2. Dilute 1 mL of this solution to 1000 mL with distilled water in a volumetric flask. This solution is equivalent to 1 ppm Free Available Chlorine.

PROCEDURE

FREE AVAILABLE CHLORINE

1. Fill a test tube (0106) to the 5 mL line with sample water.
2. Add one Chlorine #1R Tablet (6999A). Cap and mix until tablet disintegrates. A pink to red color indicates the presence of Chlorine.
3. Insert test tube into the top of the Octa-Slide 2 Viewer (1101). Slide the 0.1 to 1.0 ppm Chlorine Octa-Slide 2 Bar (3405-01) into the Octa-Slide 2 Viewer. Match sample color to a color standard. Record as ppm Free Available Chlorine.
4. If the sample is darker than the 1.0 standard, remove 0.1 to 1.0 Octa-Slide 2 Bar, replace it with the 1.0 to 6.0 Octa-Slide 2 Bar (3404-01). Match sample color to a color standard. Record as ppm Free Available Chlorine.

NOTE: Save sample for Total Residual and Combined Chlorine tests.

TOTAL RESIDUAL & COMBINED CHLORINE

5. Add one Chlorine DPD #3R Tablet (6905A) to the sample from Step 4. Cap tube and mix until tablet disintegrates.
6. Insert test tube into the Octa-Slide 2 Viewer (1101). Match sample color to a color standard. Record as ppm Total Residual Chlorine.
7. Subtract Free Available Chlorine from Total Residual Chlorine. Record as ppm Combined Chlorine.

Combined Chlorine = Total Residual Chlorine – Free Available Chlorine

NOTE: Thoroughly clean and rinse test tubes after each test.

LaMOTTE COMPANY

Helping People Solve Analytical Challenges

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