

CHLORINE KIT, DUAL RANGE

Code 3314-01 | Octa-Slide 2, 0.1-6.0 ppm



QUANTITY	CONTENTS	CODE
100	DPD 1R Tablets	6999A-J
100	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

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

*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



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

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. Hold the Viewer so that non-direct light enters through the back. 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]. Hold the Viewer so that non-direct light enters through the back. 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.