



CADMIUM IN WATER KIT

OCTA-SLIDE 2, 0.1-1.0 ppm

CODE 7839-02

QUANTITY	CONTENTS	CODE
15 mL	Potassium Sodium Tartrate Solution	7841-E
30 mL	*Sodium Hydroxide, 15%	*7886PS-G
15 mL	*Sodium Cyanide, 10%	*6565-E
120 mL	*Lead Dithizone Reagent	*4427-J
3	Pipets, 1.0 mL, plastic	0354
2	Test Tubes, 10 mL, glass, w/caps	0843
1	Test Tube, 10 mL, glass, w/cap	0837
1	Cadmium In Water Octa-Slide 2 Bar, 0.1-1.0 ppm	7840-02
1	Octa-Slide 2 Viewer	1101

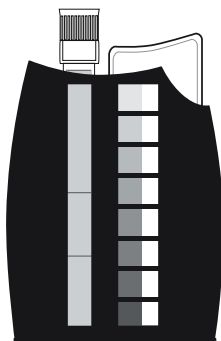
***WARNING:** Reagents marked with an * are considered to be potential health hazards. To view or print a Safety Data Sheet (SDS) for these reagents go to www.lamotte.com. Search for the four digit reagent code number listed on the reagent label, in the contents list or in the test procedures. Omit any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

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



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.

PROCEDURE

1. Insert the Cadmium in Water Octa-Slide 2 Bar (7840-02) into the Octa-Slide 2 Viewer (1101).
2. Fill the 10 mL tube (0837) to the 10 mL line with sample water.
3. Add 2 drops of Potassium Sodium Tartrate Solution (7841).
4. Use a 1.0 mL pipet (0354) to add 1.0 mL of *Sodium Hydroxide, 15% (7886PS). Cap and mix.
5. Add 4 drops of *Sodium Cyanide, 10% (6565).
6. Use a second 1.0 mL pipet to add 5.0 mL (5 measures) of *Lead Dithizone Reagent (4427). Cap tightly and shake for 90 seconds. Allow tube to stand until layers separate.

NOTE: Fill pipet by carefully inserting the pipet below the colorless preservative layer into the Lead Dithizone Reagent (4427). Fill the pipet to the 1.0 mL line with the green solution.

7. Use a third 1.0 mL pipet to transfer 4 to 5 mL of the colored bottom layer of test solution to a 10 mL test tube (0843).
8. Insert test tube into the Octa-Slide 2 Viewer. Match sample color to a color standard. Record as ppm Cadmium.

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