

CADMIUM IN WATER KIT



Code 7839-02 | Octa-Slide 2, 0.1-1.0 ppm

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

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

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. Hold the Viewer so that non-direct light enters through the back. Match sample color to a color standard. Record as ppm Cadmium.