ZINC TEST KIT
MODEL ZN-LR • CODE 7417-01

<table>
<thead>
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<th>QUANTITY</th>
<th>CONTENTS</th>
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<tr>
<td>30 g</td>
<td>*Zinc Reagent Powder</td>
<td>*7393-G</td>
</tr>
<tr>
<td>15 mL</td>
<td>*Zinc Conditioning Reagent</td>
<td>*7361-E</td>
</tr>
<tr>
<td>2</td>
<td>Test Tubes, 10 mL, glass, w/caps</td>
<td>0822</td>
</tr>
<tr>
<td>1</td>
<td>Spoon, 0.5 g, plastic</td>
<td>0698</td>
</tr>
<tr>
<td>1</td>
<td>Zinc Comparator, 0.0-1.4 ppm</td>
<td>7789</td>
</tr>
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*WARNING:* Reagents marked with an * are considered to be potential health hazards. To view or print a Material Safety Data Sheet (MSDS) for these reagents go to 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.
PROCEDURE

1. Fill tube (0822) to mark with sample water.

   
   **NOTE:** This reagent eliminates copper interference and adjusts the pH of the sample water to pH 9. In water samples where the pH is very low adjust the pH of the sample to approximately 9 before adding the *Zinc Conditioning Reagent (7361).

3. Use the 0.5 g spoon (0698) to add one level measure of *Zinc Reagent Powder (7393). Cap and shake for 15 seconds. Do not shake longer even if powder is not dissolved. Wait 1 minute.

4. Insert the test tube into the Zinc Comparator (7789). Match sample color with a color standard. Record as ppm Zinc.
   
   **NOTE:** Slight variations in the amount of Zinc Reagent Powder (7393) added in Step 3 will cause the intensity but not the shade of the color reaction to vary. Since each color standard exhibits a distinct difference in shade, an accurate reading can be made even though there is a difference in intensity.

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