**Phosphate Test Kit**

**Vanadate-Molybdate Method**

**Code 4401-01**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Contents</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x 30 mL</td>
<td>*VM Phosphate Reagent</td>
<td>4410-G</td>
</tr>
<tr>
<td>1</td>
<td>Pipet, 1.0 mL, plastic</td>
<td>0354</td>
</tr>
<tr>
<td>2</td>
<td>Test Tubes, 5 mL, glass, w/cap</td>
<td>0230</td>
</tr>
<tr>
<td>1</td>
<td>Phosphate Comparator, 10-80 ppm</td>
<td>4412</td>
</tr>
</tbody>
</table>

*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.

**Note:** The test should be run on clear samples only. Filter the samples if necessary.

**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 a test tube (0230) to the 5 mL line with sample water.

2. Use the 1.0 mL pipet (0354) to add 1.0 mL of *VM Phosphate Reagent (4410).*

3. Cap and mix.

4. Wait 5 minutes.

5. Insert test tube into Phosphate Comparator (4412).

6. Match sample color to a color standard. Record as ppm Phosphate.

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