LaMotte

pH MODULE

FOR SOIL MACRONUTRIENTS KIT • CODE 5928-01
OCTA-SLIDE 2, pH 4.0 - 9.0
CODE 5935-01

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>CONTENTS</th>
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</thead>
<tbody>
<tr>
<td>15 mL</td>
<td>*Tricon pH Indicator</td>
<td>*5937-E</td>
</tr>
<tr>
<td>120 mL</td>
<td>Tricon Flocculating Reagent</td>
<td>5941PS-J</td>
</tr>
<tr>
<td>120 mL</td>
<td>Tricon Flocculating Reagent</td>
<td>5941PT-J</td>
</tr>
<tr>
<td>2</td>
<td>Test Tubes, w/caps</td>
<td>0845</td>
</tr>
<tr>
<td>1</td>
<td>Spoon, 0.5g, plastic</td>
<td>0698</td>
</tr>
<tr>
<td>1</td>
<td>pH Soil Octa-Slide 2 Bar, 4.0-9.0</td>
<td>5936-01</td>
</tr>
<tr>
<td>1</td>
<td>Octa-Slide 2 Viewer</td>
<td>1101</td>
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</tbody>
</table>

*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.

For the interpretation of the pH test and a discussion of its importance, see A Study of Soil Science (Code 1530) by Dr. Henry D. Foth.

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.

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.
PROCEDURE

1. Insert pH Soil Octa-Slide 2 Bar 4.0-9.0 (5936-01) into the Octa-Slide 2 Viewer (1101).

2. Fill a test tube (0845) to the line with Tricon Flocculating Reagent (5941).

3. Use 0.5g spoon (0698) to add three level measures of soil.

4. Cap and gently mix by inverting the tube back and forth slowly for one minute. Allow soil particles to settle.

NOTE: The amount of time required for a soil to settle varies with texture; clay soils may require additional time, but in most instances the solution will be clear in several minutes.

5. Add 10 drops of *Tricon pH Indicator (5937).

6. Cap and invert the test tube gently one time to mix the contents. Allow soil to settle.

7. Insert test tube into Octa-Slide 2 Viewer (1101).

8. Match sample color to a color standard. Record as pH.

LaMOTTE COMPANY
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