

## DROP TEST

### M ALKALINITY (1 drop = 10 ppm)

**COMPONENTS:**

<p>1 x 5079 1 x 9198G</p> <p>1 x R-0637-C 1 x R-0724-C</p>	<p><b>Instruction</b> Sample Tube, Graduated (25 mL) w/ cap &amp; green dot, plastic</p> <p><b>Methyl Orange Indicator, 2 oz, DB</b> <b>Hydrochloric Acid .12N, 2 oz, DB</b></p>
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**TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE  
800-TEST KIT (800-837-8548).**

**PROCEDURE:**

**CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.  
KEEP REAGENTS AWAY FROM CHILDREN.**

NOTE: When dispensing reagents from dropper bottles, **always** hold bottle in a vertical position.

**M Alkalinity Test**

1. Rinse and fill 25 mL sample tube (#9198G) to 25 mL mark with water to be tested.

NOTE: For results in grains per gallon (gpg), fill to 14.6 mL mark.

2. Add 3 drops R-0637 Methyl Orange Indicator. Swirl to mix. Sample will turn yellow (Fig. 1).

3. Add R-0724 Hydrochloric Acid .12N dropwise, swirling and counting after each drop, until color changes from yellow to orange (salmon pink) (Fig. 2).

4. Multiply drops of R-0724 Hydrochloric Acid .12N by 10. Record as parts per million (ppm) M alkalinity as calcium carbonate ( $\text{CaCO}_3$ ).

NOTE: For 14.6 mL sample, record drops of R-0724 Hydrochloric Acid .12N as grains per gallon (gpg) M alkalinity as calcium carbonate ( $\text{CaCO}_3$ ).



Fig. 1



Fig. 2



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