

DROP TEST

P ALKALINITY (1 drop = 10 ppm)

COMPONENTS:

1 x 5228	Instruction
1 x 9198	Sample Tube, Graduated (25 mL) w/ cap, plastic
1 x R-0638G-C	Phenolphthalein Indicator, 2 oz w/ green cap, DB
1 x R-0687G-C	Sulfuric Acid .12N, 2 oz w/ green cap, DB

**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.

P Alkalinity Test

1. Rinse and fill 25 mL sample tube (#9198) 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-0638G Phenolphthalein Indicator. Sample will turn pink (Fig. 1) if P alkalinity is present.

3. If pink, add R-0687G Sulfuric Acid .12N dropwise, swirling and counting after each drop, until color changes from pink to colorless.

4. Multiply drops of R-0687G Sulfuric Acid .12N by 10. Record as parts per million (ppm) P alkalinity as calcium carbonate (CaCO_3).

NOTE: For 14.6 mL sample, record drops as grains per gallon (gpg) P alkalinity as calcium carbonate (CaCO_3).



Fig. 1



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