

DROP TEST CALCIUM HARDNESS (1 drop = 10 ppm)

COMPONENTS:

1 x 5235	Instruction
1 x 9198B	Sample Tube, Graduated (25 mL) w/ cap & blue dot, plastic
1 x R-0011P-I	Calcium Indicator Powder, 10 g
1 x R-0653-2-C	Calcium Buffer, 2 oz, DB
1 x R-0683-C	Hardness Reagent, 2 oz, 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.

Calcium Hardness Test

1. Rinse and fill 25 mL sample tube (#9198B) 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 10 drops R-0653-2 Calcium Buffer. Swirl to mix.

3. Add 1 dipper R-0011P Calcium Indicator Powder. Swirl until dissolved. Sample will turn red (Fig. 1) if calcium hardness is present.

4. Add R-0683 Hardness Reagent dropwise, swirling and counting after each drop, until color changes from red to blue (Fig. 2).

5. Multiply drops of R-0683 Hardness Reagent by 10. Record as parts per million (ppm) calcium hardness as calcium carbonate (CaCO_3).

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



Fig. 1



Fig. 2



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