

DROP TEST

TOTAL HARDNESS (1 drop = 1 gpg)

COMPONENTS:

1 x 5545	Instruction
1 x 9198B	Sample Tube, Graduated (25 mL) w/ cap & blue dot, plastic
1 x R-0619B-C	Hardness Buffer, 2 oz w/ blue cap, DB
1 x R-0620B-I	Hardness Indicator Powder, 10 g w/ blue dot
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.

Total Hardness Test

1 drop = 1 grain per gallon (gpg) Calcium Carbonate

1. Rinse and fill 25 mL sample tube (#9198B) to 14.6 mL mark with water to be tested.

NOTE: For results in parts per million (ppm), fill to 25 mL mark.

2. Add 5 drops R-0619B Hardness Buffer. Swirl to mix.

3. Add 1 dipper R-0620B Hardness Indicator Powder. Swirl until dissolved. Sample will turn red (Fig. 1) if 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. Record drops of R-0683 Hardness Reagent as grains per gallon (gpg) total hardness as calcium carbonate (CaCO_3).

NOTE: For 25 mL sample, multiply drops of R-0683 Hardness Reagent by 10. Record as parts per million (ppm) total hardness as calcium carbonate (CaCO_3).



Fig. 1



Fig. 2



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