

LAUNDRY WASHROOM KIT TOTAL HARDNESS

Instr. #5307B

COMPONENTS:

1 x 5307B	Instruction
1 x 9198B	Sample Tube, Graduated (25 mL) w/ cap & blue dot, plastic
1 x R-0683-C	Hardness Reagent, 2 oz, DB
1 x R-0854-A	Total Hardness Reagent, .75 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

NOTE: Total hardness is defined as the sum of the calcium and magnesium concentrations. In laundry control it is important to know the hardness level because soaps and detergents are less effective in hard water. This test can also be used to check the water obtained from water softeners.

1. Rinse and fill 25 mL sample tube (#9198B) to 14.6 mL mark with water to be tested.
2. Add 5 drops R-0854 Total Hardness Reagent. Swirl to mix. Sample will turn wine red (Fig. 1) if total hardness is present.

3. Add R-0683 Hardness Reagent dropwise, swirling and counting after each drop, until color changes from wine red to blue (Fig. 2).
4. Record drops of R-0683 Hardness Reagent as grains per gallon (gpg) total hardness as calcium carbonate (CaCO_3).



Fig. 1



Fig. 2



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