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Instructions

Instruction Number: 5307B

LAUNDRY WASHROOM KIT
HARDNESS - TOTAL

COMPONENTS:

- 1 x 5307B Instruction
- 1 x 9198B Sample Tube, Graduated, 25 mL, plastic w/cap and blue dot
- 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
877-7WATER6 (877-792-8376) or [email us](#) with your requirements.

PROCEDURE:

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

Total Hardness

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 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. Always hold bottle in vertical position.
4. Record drops of R-0683 Hardness Reagent as grains per gallon (gpg) total hardness as calcium carbonate (CaCO₃).

04/09