

# Richard hourigan, inc.

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## Instructions

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### Instruction Number: 5080

DROP TEST  
TOTAL HARDNESS (1 drop = 10 ppm)

#### COMPONENTS:

1 x 5080	Instruction
1 x 9198B	Sample Tube, Graduated, 25 mL, plastic w/cap and blue dot
1 x R-0619B-C	Hardness Buffer (blue cap), 2 oz, DB
1 x R-0620B-I	Hardness Indicator Powder (blue dot), 10 g
1 x R-0683-C	Hardness Reagent, 2 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.

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 5 drops R-0619B Hardness Buffer. Swirl to mix.
3. Add 1 dipper R-0620B Hardness Indicator Powder. Swirl until dissolved. If hardness is present, sample will turn red.
4. Add R-0683 Hardness Reagent dropwise, swirling and counting after each drop, until color changes from red to blue. Always hold bottle in vertical position.
5. Multiply drops of R-0683 Hardness Reagent by 10. Record as parts per million (ppm) total hardness as calcium carbonate.

NOTE: For 14.6 mL sample, record drops of R-0683 Hardness Reagent as grains per gallon (gpg) total hardness as calcium carbonate.