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## Instructions

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### Instruction Number: 50670

#### DROP TEST CHLORIDE

##### COMPONENTS:

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|---------------|---|
| 1 x 50670     | Instruction   |
| 1 x 91980     | Sample Tube, Graduated, 25 mL, plastic w/cap and orange dot |
| 1 x R-0630-C  | Chromate Indicator, 2 oz, DB                                |
| 1 x R-06380-A | Phenolphthalein Indicator (orange cap), .75 oz, DB          |
| 1 x R-06870-C | Sulfuric Acid .12N, (orange cap), 2 oz, DB                  |
| 1 x R-0706-C  | Silver Nitrate Reagent, 2 oz, DB                            |

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE 877-7WATER6 (877-792-8376) or [email us](mailto:info@richardhourigan.com) with your requirements.

##### PROCEDURE:

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

##### Chloride (Drop Test)

NOTE: When sulfite content of sample water to be tested exceeds 10 ppm, the sulfite should be oxidized to prevent interference in test. A 25 mL water sample is first adjusted to the appropriate pH, then 1 mL (or 24 drops) of R-0649 3% Hydrogen Peroxide Solution (sold separately) is added and thoroughly mixed. Continue with the rest of the procedure.

1. Rinse and fill 25 mL sample tube (#91980) to 25 mL mark with water to be tested.
2. Add 2 drops R-06380 Phenolphthalein Indicator. Swirl to mix. If sample turns red, add R-06870 Sulfuric Acid .12N dropwise, swirling after each drop, until color changes from red to colorless.
3. Add 5 drops R-0630 Chromate Indicator. Swirl to mix. Sample should turn yellow.
4. Add R-0706 Silver Nitrate Reagent dropwise, swirling and counting after each drop, until color changes from yellow to

milky salmon (brick) red. Always hold bottle in vertical position.

NOTE: Do not add enough R-0706 Silver Nitrate Reagent to give a brown color. First change from yellow to a milky salmon (brick) red is the endpoint.

5. Multiply drops of R-0706 Silver Nitrate Reagent by 10.  
Record as parts per million (ppm) chloride.

04/09