

## DROP TEST CHLORIDE (1 drop = 2 or 10 ppm)

**COMPONENTS:**

1 x 4078	Pipet, Graduated (3 mL w/ 0.5 mL div), plastic
1 x 5058	Instruction
1 x 9198O	Sample Tube, Graduated (25 mL) w/cap & orange dot, plastic
1 x R-0682-C	Chloride Reagent, 2 oz, DB
1 x R-0686O-C	Sulfuric Acid N, 2 oz w/ orange cap, DB
1 x R-0845-C	Mercuric Nitrate Titrating Solution, 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.

**Chloride Test****For 1 drop = 2 ppm Chloride**

1. Rinse and fill 25 mL sample tube (#9198O) to 25 mL mark with water to be tested.
2. Add 10 drops R-0682 Chloride Reagent. Swirl to mix. If sample turns purplish blue (Fig. 1)—proceed to Step 3. If sample is yellow (Fig. 2), proceed to Step 4.
3. Add R-0686O Sulfuric Acid N dropwise, swirling after each drop, until color changes from purplish blue to yellow (Fig. 2).
4. Add R-0845 Mercuric Nitrate Titrating Solution dropwise, swirling and counting after each drop, until color changes from yellow to purple (Fig. 3).

5. Multiply drops of R-0845 Mercuric Nitrate Titrating Solution by 2. Record as parts per million (ppm) chloride (Cl<sup>-</sup>).

**For 1 drop = 10 ppm Chloride**

1. Using 3 mL pipet (#4078), add 5 mL (2 x 2.5 mL) water to be tested to 25 mL sample tube (#9198O).
2. Add 10 drops R-0682 Chloride Reagent. Swirl to mix. If sample turns purplish blue (Fig. 1)—proceed to Step 3. If sample is yellow (Fig. 2), proceed to Step 4.
3. Add R-0686O Sulfuric Acid N dropwise, swirling after each drop, until color changes from purplish blue to yellow (Fig. 2).
4. Add R-0845 Mercuric Nitrate Titrating Solution dropwise, swirling and counting after each drop, until color changes from yellow to purple (Fig. 3).
5. Multiply drops of R-0845 Mercuric Nitrate Titrating Solution by 10. Record as parts per million (ppm) chloride (Cl<sup>-</sup>).



Fig. 1



Fig. 2



Fig. 3



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