CHLORINE TEST KIT

Model CN-65

Cat. No. 2254-01

Medium Range Test Instructions

1 drop = 1 mg/L Chlorine

1. Fill the flask to the 40-mL mark with the water to be tested.
2. Tear open one Sulfite 1 Reagent Powder Pillow as shown in Figure 1. Add the contents of the pillow to the flask. Swirl gently to mix.
3. Tear open one Sulfamic Acid Powder Pillow. Add the contents of the pillow to the flask. Swirl gently to mix. If chlorine is present a blue color will develop. This is the prepared sample.

WARNING: The chemicals in this kit may be hazardous to the health and safety of the user if inappropriately handled. Please read all warnings before performing the test and use appropriate safety equipment.

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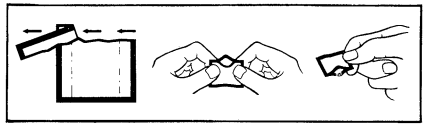
4. Fill the plastic measuring tube level full with the prepared sample. Pour the sample into the square mixing bottle.
5. Add Sodium Thiosulfate Standard Solution drop by drop to the mixing bottle. Hold the dropper vertically above the bottle to add drops. Swirl the bottle constantly while adding drops and count each drop as it is added. Continue to add titrant until the sample becomes colorless.
6. Each drop used to bring about the color change in Step 5 is equal to 1 mg/L Chlorine (Cl).

Low Range Test Instructions
1 drop = 0.2 mg/L Chorine

If the result from Step 5 of the Medium Range Test is low (2 mg/L or less), it is advisable to test a larger sample to obtain a more sensitive test. This may be done by titrating directly in the flask as follows:

1. Using the sample left over from Step 3 in the medium range test, pour off the contents of the flask until the level just reaches the 30-mL mark on the flask.
2. Add Sodium Thiosulfate Standard Solution drop by drop to the flask. Swirl the flask constantly while adding the drops and count each drop as it is added. Continue to add titrant until the sample becomes colorless.
3. Each drop of Sodium Thiosulfate titrant used to bring about the color change in Step 2 is equal to 0.2mg/L chlorine (C).

Figure 1



REPLACEMENTS

Cat. No.	Description	Unit
24386-00	Chlorine Reagent Set Contains one of each:	100 tests
2203-99	Sulfite 1 Reagent Powder Pillows★	pkg/100
24085-37	Sodium Thiosulfate Standard Solution, 0.00246N	118 mL MDB★★
1055-99	Sulfamic Acid Powder Pillows	pkg/100
439-06	Bottle, square mixing	pkg/6
505-41	Flask, erlenmeyer, 50 mL	each
438-00	Tube, plastic measuring	each

★Sulfite 1 Reagent is a proprietary name for a specially formulated starch-iodide reagent used in both the sulfite and chlorine tests.
★★marked dropping bottle

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MADE IN U.S.A.