

# CHLORIDE TEST KIT

Model 8-P

Cat. No. 1440-01

The HACH logo is centered within a white oval that is superimposed on a thick black horizontal band. The word "HACH" is written in a bold, black, sans-serif font across the middle of the oval.

## High Range, 0-400 mg/L Chloride

1. Fill the plastic measuring tube level full with the water that is to be tested. Pour it into the mixing bottle.
2. Add the contents of one Chloride 2 Indicator Powder Pillow. Swirl to mix as shown in *Figure 1*.
3. Add the Silver Nitrate Titrant drop by drop to the water in the mixing bottle. Hold the dropper in a vertical position and swirl the bottle to mix after each drop is added. Count each drop as it is added until the water changes from yellow to orange in color. (An orange - red, rust color indicates the end point has been exceeded.)

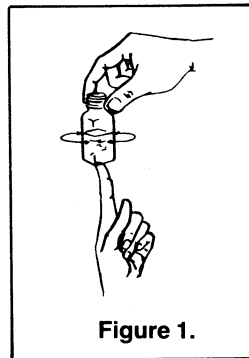
***WARNING: The chemicals in this kit may be hazardous to the health and safety of the user if inappropriately handled. Please read all warnings before performing the test and use appropriate safety equipment.***

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4. To obtain the chloride content of the water in mg/L as Cl multiply the number of drops that were added by 20.
5. To express the results as mg/L sodium chloride NaCl, multiply the mg/L chloride found in the test by 1.6.

### Low Range, 0-100 mg/L Chloride

1. Fill the mixing bottle to the 23-mL mark with the water that is to be tested.
2. Add the contents of one Chloride 2 Indicator Powder Pillow. Swirl to mix as shown in Figure 1.
3. Add the Silver Nitrate Titrant drop by drop to the water in the mixing bottle. Hold the dropper in a vertical position and swirl the bottle to mix after each drop is added. Count each drop as it is added until the water changes from yellow to orange in color. (An orange - red, rust color indicates the end point has been exceeded.)
4. The chloride content of the water in mg/L as Cl is found by multiplying the number of drops that were added by 5.
5. To express the results as mg/L sodium chloride (NaCl), multiply the mg/L chloride found in the test by 1.6



## REPLACEMENTS

Cat. No.	Description	Unit
1043-99	Chloride 2 Indicator Powder Pillows .....	pk/100
23498-37	Silver Nitrate Titrant, 0.0493N. ....	118 mL(4oz)MDB*
438-00	Measuring Tube .....	each
2327-06	Mixing Bottle, with 23-mL mark .....	pk/6
936-00	Clippers, small .....	each
14400-14	Sodium Chloride Standard Solution, 298 mg/L as Cl, 491 mg/L as NaCl (not included in test kit) .....	118 mL

\*Marked Dropping Bottle

It is suggested that reagent accuracy be checked from time to time by using a reliable standard, such as the Sodium Chloride Standard Solution, Cat. No. 14400-14 listed under *Replacements*. Follow regular instructions using the standard solution instead of a sample.

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