# Chloride Test Kit

**1 drop = 2 or 10 ppm as Cl**

# TK1115-Z

**yellow caps**

## KIT COMPONENTS:

| | |
|---|---|
| MN9272-B | Mercuric Nitrate Reagent, 60 mL |
| MN9269-B | Chloride Reagent, 60 mL |
| SA1625-A | Sulfuric Acid 1.0N, 30 mL |
| HP1003-A | Hydrogen Peroxide 3%, 30 mL |
| SY-2005-P | Syringe, 5 mL |
| VL-1005-V | Vial, 10-50 mL |

**SAFETY TIPS:**


Wear Gloves


Use Eye Protection

Read SDS

**TESTING TIPS:**


Collect Accurate Sample


Hold Bottles Vertically


Ensure Proper Lighting

## INTERFERENCES:

The effect of interferences increases as the sample size increases. Extreme pH can interfere. Iron concentrations can mask the endpoint. Orthophosphate in excess of 25 ppm will precipitate the silver. Cyanide, bromide and iodide interfere directly and create a positive interference. Sulfite provides a positive interference. Sulfite can be eliminated with Hydrogen Peroxide 30% before testing.

**ATTENTION:** As necessary, calibrate this kit against a known standard made with plant / make-up water. Be sure to collect a representative sample.

EndPoint ID® Test Procedure

**Chloride Test Kit** **TK1115-Z**

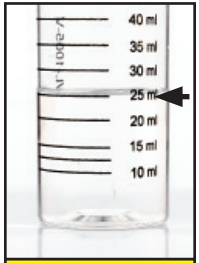
**1** **Select a sample size** based on the desired drop equivalency.

1 drop = 2 ppm 25 mL sample
1 drop = 10 ppm 5 mL sample

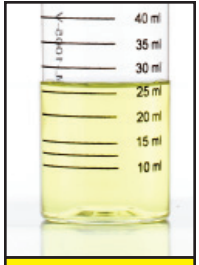
Fill vial with desired amount. Use a 5 mL syringe if necessary.

**Note:** If sample contains sulfite, **add 10 drops of Hydrogen Peroxide 3%** (HP1003) before proceeding.

**2** **Add 10 drops of Chloride Reagent** (MN9269) and swirl to mix. If the sample turns yellow, proceed to step 3. If the sample turns blue-purple, add Sulfuric Acid 1.0N (SA1625) one drop at a time, while swirling, until the sample color changes from blue-purple to yellow.



*STEP 1*



*STEP 2*

**3** **Add Mercuric Nitrate Titrating Solution** (MN9272) one drop at a time while swirling. Count the number of drops until the sample color changes from yellow to purple.

# drops x factor = ppm Chloride (Cl)

*To convert Chloride (Cl) to Sodium Chloride (NaCl): Multiply results by 1.65.*

*STEP 3*