Chloride HP Test Kit
Low Range of 1 to 20 ppm

TK1400-Z
red caps

KIT COMPONENTS:

NA7090-A	Nitric Acid 50%, 30 mL
SN3250-B	Chloride Bonding Reagent #1, 60 mL
FE4120-A	Titration Indicator, 30 mL
PT4500-B	Titrant Reagent #1, 60 mL
HP1003-B	Hydrogen Peroxide 3%, 60 mL
SY-2001-P	Syringe, 1 mL
82-516108	Erlenmeyer Flask, 50 mL

SAFETY TIPS:


Wear Gloves


Use Eye Protection

Read SDS

TESTING TIPS:


Collect Accurate Sample


Hold Bottles Vertically


Ensure Proper Lighting

INTERFERENCES: If the sample is colored, it may change the appearance of the ending point color. Filtering before the test will ensure the best results. Cyanide, Bromide and Iodide interfere directly and create a positive interference. Sulfite provides a positive interference. Sulfite can be eliminated with Hydrogen Peroxide 3% 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 HP (Low Range) Test Kit — TK1400-Z

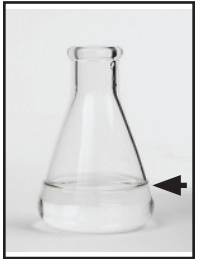
1 Rinse flask three times with sample to be tested. **Fill flask to 24 mL.**

2 If sulfites are present, **add 6 drops of Hydrogen Peroxide 3%** (HP1003). Swirl for 30 seconds.

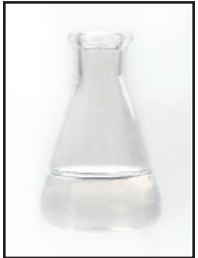
3 **Add 5 drops of Nitric Acid 50%** (NA7090) and swirl to mix.

4 Using the syringe, **add 1.0mL of Chloride Bonding Reagent #1** (SN3250) and swirl to mix.

5 **Add 5 drops of Titration Indicator** (FE4120) and swirl to mix. The solution will turn slight yellowish cloudy if chloride is present.



STEP 1



STEP 5

6 **Add Titrant Reagent #1** (PT4500) one drop at a time while swirling. Count the number of drops until the sample color turns red.

Warning: The red color will fade quickly within 1-2 seconds. It is very important to pay attention to the color change during titration.

20 - # drops = ppm as Chloride

STEP 6

If the sample turns red at the first drop of titrant, add another 1 mL of the Chloride Bonding Reagent #1 and continue testing. The calculation would be:
40 - # drops = ppm Chloride.