Chloride Test Kit

TK1119-Z
yellow caps

KIT COMPONENTS:

SN3417-B	Chloride Titrant, 60 mL
PC8025-B	Potassium Chromate Indicator, 60 mL
PH1605-A	Phenolphthalein Indicator, 30 mL
SA1555-B	Alkalinity Titrant Low, 60 mL
SY-2001-P	Syringe, 1 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. 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 3% before testing.

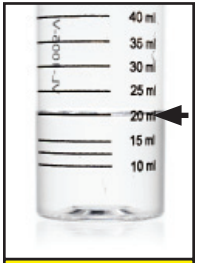
ATTENTION: As necessary, calibrate this kit against a known standard made with plant / make-up water. Be sure to collect a representative sample.

EndPoint ID®
Test Procedure

Chloride Test Kit **TK1119-Z**

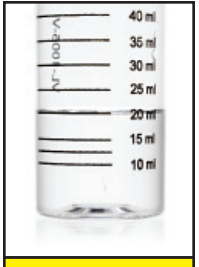
1 Select a sample size based on the desired drop equivalency. For smaller sample sizes, use a 1 mL syringe to collect the sample and dilute to 10 mL if necessary.

1 drop = 250 ppm	20 mL sample
1 drop = 500 ppm	10 mL sample
1 drop = 1000 ppm	5 mL sample
1 drop = 5000 ppm	1 mL sample



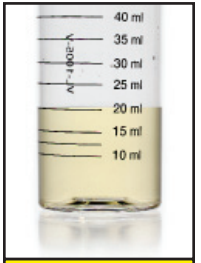
STEP 1

2 Add 2 drops of Phenolphthalein Indicator (PH1605) and swirl to mix. If the sample remains colorless, proceed to step 3. If the sample turns red, add Alkalinity Titrant Low (SA1555) one drop at a time, while swirling, until the sample color changes from red to colorless.



STEP 2

3 Add 6 drops of Potassium Chromate Indicator (PC8025) and swirl to mix. The sample should turn yellow.

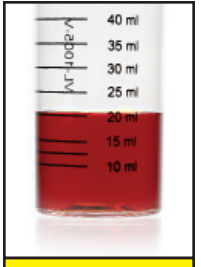


STEP 3

4 Add Chloride Titrant (SN3417) one drop at a time while swirling. Count the number of drops until the sample color changes from yellow to red. The first color change is the endpoint.

drops x factor = ppm Chloride (Cl)

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



STEP 4