

Chloride Test Kit

1 drop = 2 or 10 ppm as Cl

TK1114-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
SY-2005-P	Syringe, 5 mL
VL-1005-V	Vial, 10-50 mL

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 3% before testing.

SAFETY TIPS:



Wear
Gloves



Use Eye
Protection



Read
SDS

TESTING TIPS:



Collect
Accurate
Sample



Hold
Bottles
Vertically



Ensure
Proper
Lighting

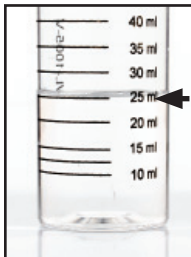
ATTENTION: As necessary, calibrate this kit against a known standard made with plant / make-up water. Be sure to collect a representative sample.

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

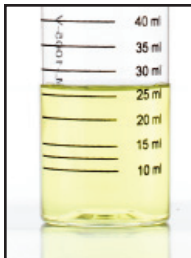
1 drop = 2 ppm 25 mL sample
 1 drop = 10 ppm 5 mL sample

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

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

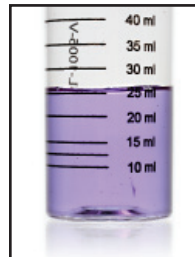


STEP 2

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