Chlorine Test Kit

1 drop = 1 or 10 ppm / 25 mL

TK1120-Z

white caps

KIT COMPONENTS:

SB1685-I	Acid Sulfate Crystals, 50g
PI1450-B	Potassium Iodide 50%, 60 mL
ST5005-B	Starch Indicator Solution 0.5%, 60 mL
ST2601-B	Sodium Thiosulfate Low, 60 mL
ST2620-B	Sodium Thiosulfate High, 60 mL
SC-1000-P	Scoop, 2g
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: All oxidizers, including Bromine, are positive interferences for this test. Interferences include, a pH over 8, total hardness over 1000 ppm, sulfate over 1000 ppm, total alkalinity over 150 ppm, any concentration of nitrite, nitrate over 200 ppm, silica dioxide over 50 ppm, copper over 10 ppm, any concentration of ferrous iron (Fe2+), and ferric iron (Fe3+) over 5 ppm.

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

It is important that each reagent be added and then mixed well for at least 5 seconds before the addition of the subsequent reagent.

EndPoint ID® Test Procedure

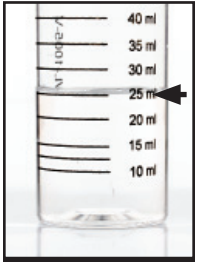
Chlorine Test Kit **TK1120-Z**

1 Rinse vial three times with sample to be tested. **Fill vial to 25 mL.**

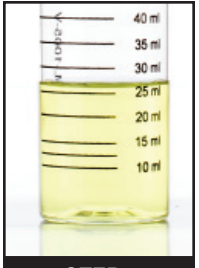
2 **Add 20 drops of Potassium Iodide 50%** (PI1450) and swirl 5 seconds to mix.

3 Use a 2g scoop to **add 1 level scoop of Acid Sulfate Crystals** (SB1685) and swirl to dissolve. Sample will turn yellow or brown if chlorine is present.

4 **Add Sodium Thiosulfate Titrant** one drop at a time while swirling. Count the number of drops until the sample turns a pale yellow.



STEP 1



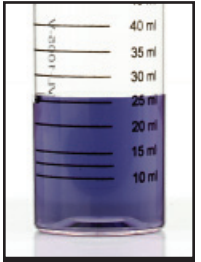
STEP 4

5 **Add 10 drops of Starch Indicator Solution 0.5%** (ST5005) one drop at a time while swirling. Sample should turn dark blue.

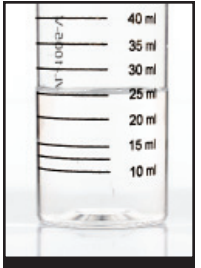
6 **Add Sodium Thiosulfate Titrant** one drop at a time while swirling. Count the number of drops until the sample turns colorless. Add the total number of drops (step 4 & 6) and multiply by the factor below:

Sodium Thiosulfate High (ST2620)
drops x 10 = ppm total available chlorine

Sodium Thiosulfate Low (ST2601)
drops x 1 = ppm total available chlorine



STEP 5



STEP 6