

# Chlorine Test Kit

**TK1135-Z**  
white caps

## KIT COMPONENTS:

SB1685-I	Acid Sulfate Crystals, 50 g
PI1450-B	Potassium Iodide 50%, 60 mL
ST5005-B	Starch Indicator Solution 0.5%, 60 mL
ST2965-B	Sodium Thiosulfate 1.0N, 60 mL
SY-2005-P	Syringe, 5 mL
VL-1005-V	Vial, 10-50 mL

**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 ( $\text{Fe}^{2+}$ ), and Ferric Iron ( $\text{Fe}^{3+}$ ) over 5 ppm.

## 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.

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

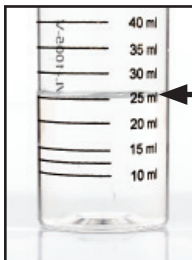
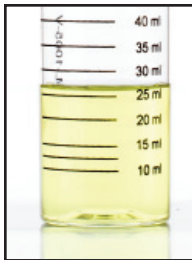


**1 Select a sample size** based on the desired drop equivalency. Use a syringe if necessary. Fill to 25 mL line with Chlorine free water.

1 drop = 0.03% Chlorine / 5 mL sample  
1 drop = 0.15% Chlorine / 1 mL sample

**2 Use 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.

**3 Add Sodium Thiosulfate 1.0N** (ST2965) one drop at a time while swirling. Count the drops until the sample turns a pale yellow.

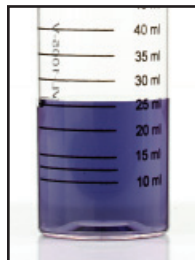
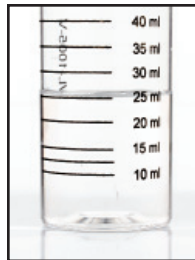
**STEP 1****STEP 3**

**4 Add 10 drops of Starch Indicator 0.5%** (ST5005) and swirl to mix. Sample should turn dark blue.

**5 Continue to add Sodium Thiosulfate 1.0N** (ST2965) one drop at a time while swirling until the sample turns colorless.

**6 Add the total number of drops from Step 3 & 5 and multiply by the chosen factor.**

# drops x factor = percent Chlorine

**STEP 4****STEP 5**