Chlorine Mid-Range Test Kit

1 drop = 5 ppm / 10 mL

TK4015-Z

orange caps

KIT COMPONENTS:

SA1940-A	Sulfuric Acid 50%, 30 mL
PI1450-B	Potassium Iodide 50%, 60 mL
ST5010-B	Starch Indicator Solution 1%, 60 mL
ST2705-B	Sodium Thiosulfate 0.0365N, 60 mL
SY-2010-P	Syringe, 10 mL
VL-0525-V	Vial, 5-25 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.

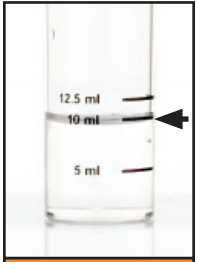
Video Procedure

EndPoint ID® Test Procedure

Chlorine Test Kit TK4015-Z

1 Rinse vial three times with sample to be tested. **Fill vial to 10 mL.**

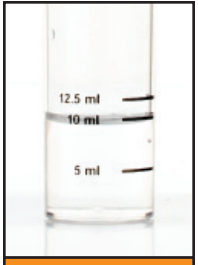
Note: It is important that each reagent be added and then mixed well for at least 5 seconds before the addition of the subsequent reagent.



STEP 1

2 **Add 10 drops of Potassium Iodide** (PI1450) and swirl 5 seconds to mix.

3 **Add 5 drops of Starch Indicator Solution** (ST5010) and swirl 5 seconds to mix.



STEP 3

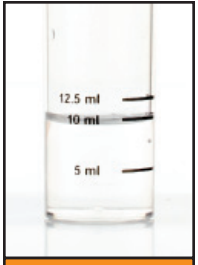
4 **Add 3 drops of Sulfuric Acid 50%** (SA1940) and swirl 5 seconds to mix. The sample will turn a blue-black color.

(In caustic solutions, more drops may be necessary. Add one drop at a time until color changes from yellow to blue-black, then add 3 more drops.)

STEP 4

5 **Add Sodium Thiosulfate 0.0365N** (ST2705) one drop at a time while swirling. Count the number of drops until the sample returns to its original color.

drops x 5 = ppm Chlorine



STEP 5

Chlorine Mid-Range Test Kit

1 drop = 150 ppm / 10 mL

TK4015-Z

orange caps

KIT COMPONENTS:

SA1940-A	Sulfuric Acid 50%, 30 mL
PI1450-B	Potassium Iodide 50%, 60 mL
ST5010-B	Starch Indicator Solution 1%, 60 mL
ST2965-B	Sodium Thiosulfate 1.0N, 60 mL
SY-2010-P	Syringe, 10 mL
VL-0525-V	Vial, 5-25 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.

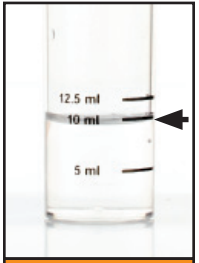
Video Procedure

EndPoint ID® Test Procedure

Chlorine Test Kit TK4015-Z

1 Rinse vial three times with sample to be tested. **Fill vial to 10 mL.**

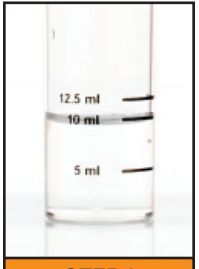
Note: It is important that each reagent be added and then mixed well for at least 5 seconds before the addition of the subsequent reagent.



STEP 1

2 **Add 10 drops of Potassium Iodide** (PI1450) and swirl 5 seconds to mix.

3 **Add 5 drops of Starch Indicator Solution** (ST5010) and swirl 5 seconds to mix.



STEP 3

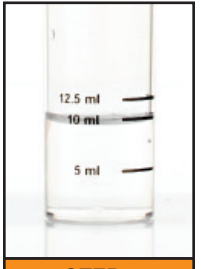
4 **Add 3 drops of Sulfuric Acid 50%** (SA1940) and swirl 5 seconds to mix. The sample will turn a blue-black color.

(In caustic solutions, more drops may be necessary. Add one drop at a time until color changes from yellow to blue-black, then add 3 more drops.)

STEP 4

5 **Add Sodium Thiosulfate 1.0N** (ST2965) one drop at a time while swirling. Count the number of drops until the sample returns to its original color.

drops x 150 = ppm Chlorine



STEP 5