Chlorinated Alkaline Test Kit

TK5010-Z
yellow caps

KIT COMPONENTS:

PH1605-A	Phenolphthalein Indicator, 30 mL
ST2970-B	Sodium Thiosulfate, 60 mL
SA7590-B	Sulfuric Acid 0.5N, 60 mL
SY-2010-P	Syringe, 10 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

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

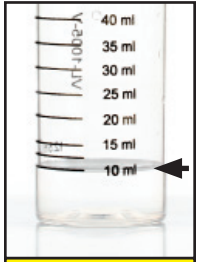
INTERFERENCES (Chlorinated Alkalinity): Turbid samples may mask the color change at the endpoint. High levels of Chlorine may cause negative interference.

Video Procedure

EndPoint ID® Test Procedure

Chlorinated Alkalinity Test Kit TK5010-Z

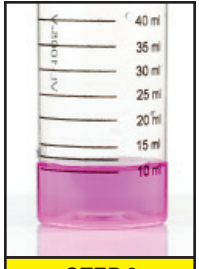
1 Rinse vial three times with sample to be tested. **Fill vial to 10 mL.**



STEP 1

2 Add 3 drops of Phenolphthalein Indicator (PH1605) and swirl to mix. The sample should turn pink.

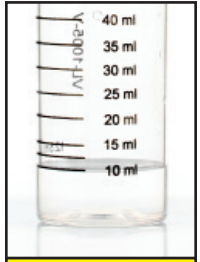
2a) If sample does not turn pink, add 5 drops of Sodium Thiosulfate (ST2970). Add an additional 3 drops of Phenolphthalein Indicator and the sample should turn pink. If it does not, repeat step 2a one more time. If sample still does not turn pink, chemical level may be too low.



STEP 2

3 Add Sulfuric Acid 0.5N (SA7590) one drop at a time while swirling. Count the number of drops until the sample color changes from pink to clear.

Alkalinity:
drops x 80 = ppm as NaOH



STEP 3

Total Alkalinity Test Kit

TK5010-Z
yellow caps

KIT COMPONENTS:

AI7925-A	Total Alkalinity Indicator, 30 mL
SA9555-B	Sulfuric Acid 0.12N, 60 mL
SY-2010-P	Syringe, 10 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

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

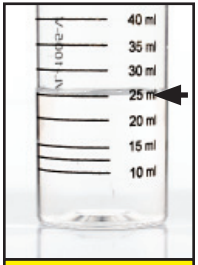
INTERFERENCES (Total Alkalinity): Turbid samples may mask the color change at the endpoint. Use a pH meter for these samples titrating for the total alkalinity.

Video Procedure

EndPoint ID® Test Procedure

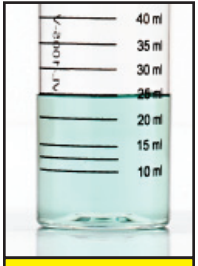
Total Alkalinity Test Kit TK5010-Z

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



STEP 1

2 **Add 3 drops of Total Alkalinity Indicator** (AI7925) and swirl to mix. The sample should turn green.

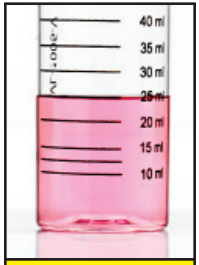


STEP 2

3 **Add Sulfuric Acid 0.12N** (SA9555) one drop at a time while swirling. Count the number of drops until the sample color changes from green to red.

Note: A gray intermediate color may develop. Keep titrating to the red endpoint.

Total Alkalinity
drops x 10 = ppm as $CaCO_3$



STEP 3