Alkalinity (Hydroxyl) Test Kit

1 drop = 10 or 50 ppm as $CaCO_3$ / 25 mL

TK1026-Z
red caps

KIT COMPONENTS:

HA6094-B	Hydrochloric Acid 0.12N, 60 mL
HA6117-B	Hydrochloric Acid 0.6N, 60 mL
BC2013-B	Barium Chloride 20%, 60 mL
PH1605-A	Phenolphthalein Indicator, 30 mL
SY-2001-P	Syringe, 1 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

INTERFERENCES: Turbid samples may mask the color change at the endpoint. Use a pH meter for these samples.

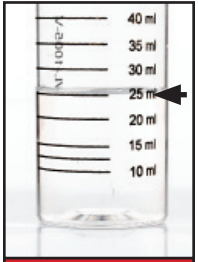
ATTENTION: As necessary, calibrate this kit against a known standard made with plant / make-up water. Be sure to collect a representative sample.

Video Procedure

EndPoint ID® Test Procedure

Alkalinity (Hydroxyl) Test Kit — TK1026-Z

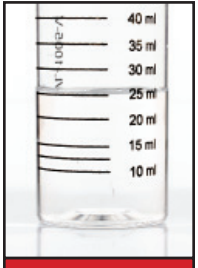
1 Rinse vial three times with sample to be tested. **Fill vial to 25 mL.**



STEP 1

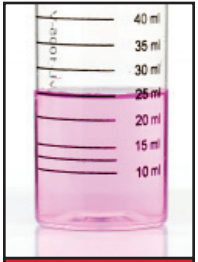
2 **Add 20 drops of Barium Chloride 20%** (BC2013) and swirl to mix.

Note: You may also remove the dropper tip and use the syringe to add 1 mL of Barium Chloride 20%.



STEP 2

3 **Add 2 drops of Phenolphthalein Indicator** (PH1605) and swirl to mix. The sample will turn pink if alkalinity is present.

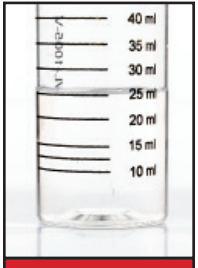


STEP 3

4 **Add Hydrochloric Acid Titrant** one drop at a time while swirling. Count the number of drops until the sample color changes from pink to colorless.

Hydrochloric Acid 0.12N (HA6094)
drops x 10 = ppm as $CaCO_3$

Hydrochloric Acid 0.6N (HA6117)
drops x 50 = ppm as $CaCO_3$



STEP 4