

Alkalinity (P/T) Test Kit

1 drop = 50 ppm as CaCO_3 / 25 mL

TK1015-Z

red caps

KIT COMPONENTS:

SA1595-B	Alkalinity Titrant High, 60 mL
PH1605-A	Phenolphthalein Indicator, 30 mL
AI6925-A	Total Alkalinity Indicator, 30 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

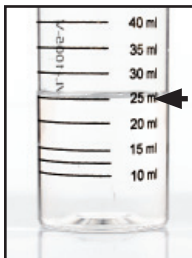
INTERFERENCES: Turbid samples may mask the color change at the endpoint. Use a pH meter for these samples titrating for the phenolphthalein alkalinity and for total alkalinity.

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

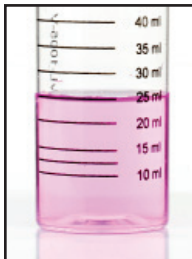


1 Rinse vial three times with sample to be tested. **Fill vial to 25 mL.**



STEP 1

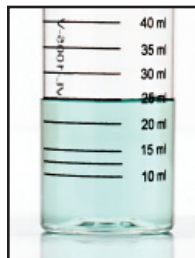
2 Add 3 drops of **Phenolphthalein Indicator** (PH1605) and swirl to mix. The sample should turn pink.



STEP 2

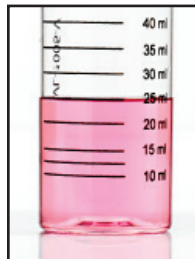
3 Add **Alkalinity Titrant** (SA1595) one drop at a time while swirling. Count the number of drops until the sample color changes from pink to colorless. Record the number of drops as P-Alkalinity.

4 Add **3 drops of Total Alkalinity Indicator** (AI6925) and swirl to mix. The sample should turn green.



STEP 4

5 Add **Alkalinity Titrant** (SA1595) one drop at a time while swirling. Count the number of drops until the sample color changes from green to red. Record the total number of drops (from step 3 & 5) as T-Alkalinity.



STEP 5

drops x 50 = ppm as CaCO_3

OH Alkalinity = (2xP) - M