

Alkalinity (P/T) Test Kit

1 drop = 10 or 50 ppm as CaCO₃ / 25 mL

TK1023-Z
red caps

KIT COMPONENTS:

SA1555-B	Alkalinity Titrant Low, 60 mL
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

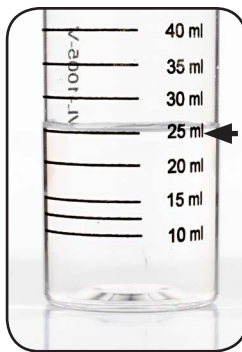


Ensure
Proper
Lighting

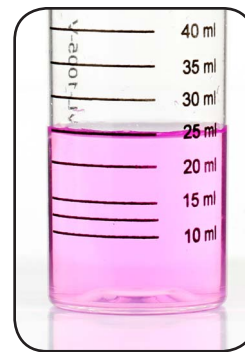
INTERFERENCES: Turbid samples may mask the color change at the endpoint. Use a pH meter for these samples titrating for the phenolphthalein alkalinity and for total alkalinity.

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

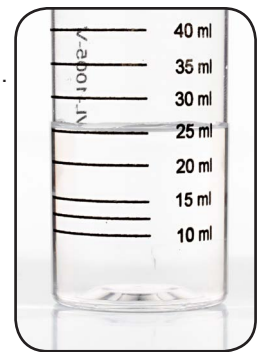
1 Rinse vial three times with sample to be tested. **Fill vial to 25 mL.**



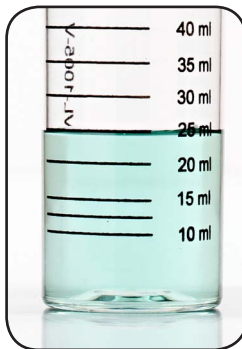
2 Add 3 drops of **Phenolphthalein Indicator** (PH1605) and swirl to mix. The sample should turn pink.



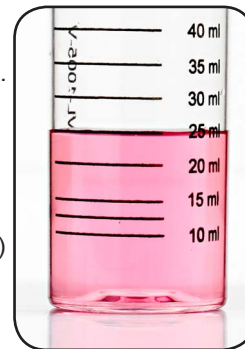
3 Add **Alkalinity Titrant** one drop at a time while swirling. Count the number of drops until the sample color changes from pink to colorless. Record the number of drops as P-Alkalinity.



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



5 Add **Alkalinity Titrant** 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.



Alkalinity Titrant Low (SA1555)
drops x 10 = ppm as CaCO₃

Alkalinity Titrant High (SA1595)
drops x 50 = ppm as CaCO₃

OH Alkalinity = (2xP) - M



Video Procedure



TK1023-Z-PLUS REV 7/12