

# Alkalinity (P/T) Test Kit

1 drop = 10 ppm as  $\text{CaCO}_3$  / 25 mL

# TK1018-Z

red caps

## KIT COMPONENTS:

SA1555-B	Alkalinity Titrant Low, 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

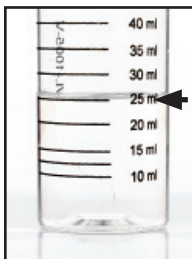
**INTERFERENCES:** Turbid samples may mask the color change at the endpoint. Use a pH meter for these samples titrating for the phenolphthalein alkalinity and for total alkalinity.

**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

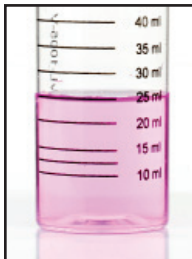


**1** Rinse vial three times with sample to be tested. **Fill vial to 25 mL.**



STEP 1

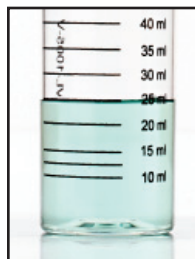
**2** Add 3 drops of **Phenolphthalein Indicator** (PH1605) and swirl to mix. The sample should turn pink.



STEP 2

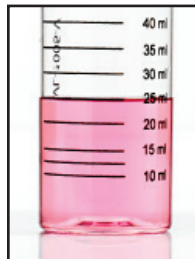
**3** Add **Alkalinity Titrant** (SA1555) one drop at a time while swirling. Count the number of drops until the sample color changes from pink to colorless. Record the number of drops as P-Alkalinity.

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



STEP 4

**5** Add **Alkalinity Titrant** (SA1555) 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 10 = ppm as  $\text{CaCO}_3$

OH Alkalinity = (2xP) - M