Alkalinity / Caustic Test Kit

TK1035-Z
blue caps

KIT COMPONENTS:

HA6207-B	Hydrochloric Acid 7.7N, 60 mL
PH1605-B	Phenolphthalein Indicator, 60 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

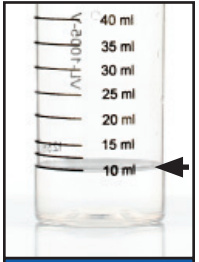
INTERFERENCES: Turbid samples may mask the color change at the end point. Use a pH meter for these samples titrating for the Phenolphthalein Alkalinity and for Total Alkalinity.

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

EndPoint ID® Test Procedure

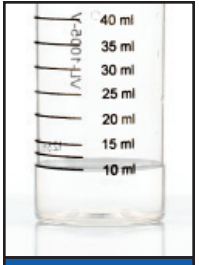
Alkalinity / Caustic Test Kit — TK1035-Z

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 will turn pink.



STEP 3

3 **Add Hydrochloric Acid 7.7N** (HA6207) one drop at a time while swirling. Count the number of drops until the color changes from pink to colorless (A).

4 **Add 3 drops of Total Alkalinity Indicator** (AI6925) and swirl to mix. The solution will turn green if carbonates are present.

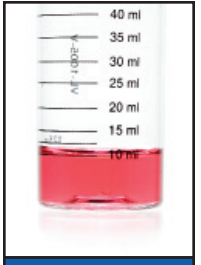
STEP 4

5 **Add Hydrochloric Acid 7.7N** (HA6207) one drop at a time while swirling. Count the number of drops until the color changes from green to red (B).

Calculation:

Caustic (%NaOH) = (A – B) x 0.098

Carbonate (%Na_2CO_3) = 0.334 x B



STEP 5