

# Hardness (Total) Test Kit

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

## TK3019-Z

blue caps

### KIT COMPONENTS:

ED2070-B	Hardness Titrant High, 60 mL
HA7200-H	Hardness Indicator Powder, 10 g
VL-1005-V	Vial, 10-50 mL

### SAFETY TIPS:



Wear  
Gloves



Use Eye  
Protection



Read  
SDS

### TESTING TIPS:



Collect  
Accurate  
Sample



Hold  
Bottles  
Vertically

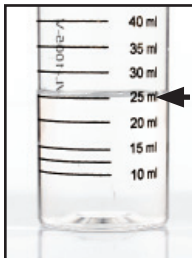


Ensure  
Proper  
Lighting

**INTERFERENCES:** Metals may cause difficulty in seeing the endpoint. If metal interference is presumed, add one drop of Hardness Titrant to the sample before adding buffer or indicator. Include this drop of titrant when calculating your results.

**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.**



STEP 1

**2** Add 1 scoop of **Hardness Indicator Powder (HA7200)** and swirl to mix.

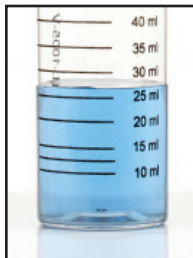
*Note: The sample will turn red if hardness is present and blue if there is no hardness.*



STEP 2

**3** Add **Hardness Titrant High (ED2070)** one drop at a time while swirling. Count the number of drops until the sample color changes from red to blue.

# drops x 10 = ppm as  $\text{CaCO}_3$



STEP 3