## Hardness (Total) Test Kit 1 drop = 0.5 or 10 ppm as CaCO<sub>3</sub> / 25 mL

TK3045-Z

## KIT COMPONENTS:

ED2064-B Trace Hardness Titrant, 60 mL
ED2070-B Hardness Titrant High, 60 mL
HA7407-B Hardness Buffer Solution, 60 mL
HA7475-H Hardness Indicator Powder, 10 g

VL-1005-V Vial, 10-50 mL

**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. Additional Hardness Buffer may be necessary to view a clean endpoint.

SAFETY TIPS:





Use Eye Protection



Read SDS

TESTING TIPS:





Hold Bottles Vertically



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

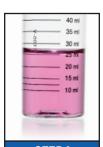


Rinse vial three times with sample to be tested. Fill vial to 25 mL.



Add 1 scoop of Hardness **Undicator Powder** (HA7475) and swirl to mix.

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



Add 8 drops of Hardness **Buffer** (HA7407) and swirl to mix.



**Add Hardness Titrant** one trop at a time while swirling. Count the number of drops until the sample color changes from red to blue.

Trace Hardness Titrant (ED2064) # drops x 0.5 = ppm as CaCO<sub>3</sub>

Hardness Titrant High (ED2070) # drops x 10 = ppm as  $CaCO_{3}$ 

