Hardness (Total) Test Kit 1 drop = 1 or 10 ppm as CaCO, / 25 mL

TK3031-Z blue caps

KIT COMPONENTS:

FB1775-B ED2071-B ED2070-B VL-1005-V

Total Hardness Reagent, 60 mL Hardness Titrant, Low, 60 mL Hardness Titrant, High, 60 mL Vial, 10-50 mL

SAFETY TIPS:



Use Eye Protection



Read

TESTING TIPS:





Hold Bottles Vertically



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.



Rinse the vial 3 times with the sample to be tested. Select a sample size based on the desired drop equivalency and fill the vial.

1 drop = 10 ppm25 mL sample 1 drop = 1 ppm25 mL sample

STEP 1 Add 5 drops of Total Hardness Reagent (EB1775) and swirl to mix.

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





Add Hardness Titrant based on chosen equivalency, one drop at a time while swirling. Count the number of drops until the sample color changes from red to blue.

Hardness Titrant, High # drops x 10 = ppm as $CaCO_{a}$ Hardness Titrant, Low

drops x 1 = ppm as $CaCO_{3}$

