

# ALKALINITY (OH) TEST KIT

Item: K-0330/40 by Buret Titration  
(1 ml = 40 mg/L or 40 ppm CaCO<sub>3</sub> / 50 ml)



Example Kit

**Chemistry:** Titration with sulfuric acid to the phenolphthalein end point after carbonate is precipitated with barium chloride.

## Instructions:

1. Fill a casserole or Erlenmeyer flask with 50 ml of water sample.
2. Add 15-20 drops of 10% Barium chloride solution and mix.
3. Add 5 - 10 drops of Phenolphthalein indicator solution.
4. a. If the water does not change color, OH alkalinity is zero.  
b. If the water turns pink or red, proceed to step 5.
5. Zero the buret and slowly add the titrating solution to the sample, stirring the water sample, until the pink color turns to colorless.

**Alkalinity (OH) as mg/L or ppm of CaCO<sub>3</sub> = no. of drops x 40.**

**Item: K-0330/40 Alkalinity (OH) Buret Titration Kit**  
100 test at 10 ml per test

## Contains these Replacement Reagents and Parts for:

- R-2015/qt/40 - Alkalinity titrating solution  
(1 ml = 40 mg/l or 40 ppm CaCO<sub>3</sub> / 50 ml)  
R-3010 2oz 10% Barium Chloride solution w/ nasal plug  
R-1070 2 oz Phenolphthalein indicator solution w/ nasal plug  
P-1037 each 250 ml Glass Erlenmeyer Flask, wide mouth  
P-1140 each Buret 10 ml bead type w/500 ml reservoir

