Alkalinity in Chlorinated Cleaners

KS-0022B

1. Fill the graduated reaction vial (PS-1060) to the 10 mL line with the water sample. If the sample is not chlorinated, skip step #2.
2. Add 5 drops of Sodium Thiosulfate 1.0 N Solution (RS-0025) and mix.
3. Add 5 to 6 drops of Mixed Indicator Solution (RS-1050) and mix by swirling. If the sample turns orange/red, there is no alkalinity. Alkaline samples will turn blue/green. **CAUTION**: iIf the sample turns yellow after the addition of the indicator, a new sample needs to be taken and 10 drops of 1.0 N Sodium Thiosulfate (RS-0025) added to remove the chlorine.
4. Add Alkalinity Titrating Solution (RS-0003), drop by drop, swirling after each drop, until the sample turns orange/red.

Total Alkalinity in ppm as ***CaCO3*** = # of Drops Used to Turn Color x 200
Total Alkalinity in ppm as ***Na2CO3*** = # of Drops Used to Turn Color x 210
Total Alkalinity in ppm as ***NaHCO3*** = # of Drops Used to Turn Color x 330
Total Alkalinity in ppm as ***NaOH*** = # of Drops Used to Turn Color x 160
Total Alkalinity in ppm as ***CaCO3*** = # of Drops Used to Turn Color x 200

Replacement Reagents & Parts

RS-0003	2oz	Alkalinity Titrating Solution
RS-0025	2oz	Sodium Thiosulfate 1.0 N Solution
RS-1050	2oz	Mixed Indicator Solution
PS-1060	Each	Graduated Reaction Vial
PW-1110	Each	Test Kit Box w/ Foam Insert & Bottom Foam Pad