these instructions and should be 1. Keep test kit out of reach of children.	4. Replace reagents once each year. 7. Obt	se tubes before and after each test. Instr. #5136 ain samples 18" (45 cm) below water surface. d dropper bottle vertically when dispensing reagent.
 Free, Combined & Total Chlorine Test 1. Rinse and fill small comparator tube to 9 mL mark with water to be tested. 2. Add 5 drops R-0001 and 5 drops R-0002. Cap and invert to mix. 3. Match color with color standard.* Record as parts per million (ppm) free chlorine (Cl₂). 4. Add 5 drops R-0003. Cap and invert to mix. 5. Match color immediately. Record as ppm total chlorine (Cl₂). 6. Subtract free chlorine (FC) from total chlorine (TC). Record as ppm combined chlorine (CC) as Cl₂. Formula: TC - FC = CC. Total Bromine Test 1. Rinse and fill small comparator tube to 9 mL mark with water to be tested. 2. Add 5 drops R-0001 and 5 drops R-0002. Cap and invert to mix. 3. Match color with color standard.* Record as parts per million (ppm) total bromine (Br₂). *If color is off-scale: Repeat test using 4.5 mL sample diluted to 9 mL mark with tap water. Multiply reading by 2 to obtain approximate sanitizer level. If color is still off-scale: Repeat test using 1.8 mL sample diluted to 9 mL mark with tap 	 Total Alkalinity (TA) Test 1. Rinse and fill large comparator tube to 25 mL mark with water to be tested.* 2. Add 2 drops R-0007. Swirl to mix. 3. Add 5 drops R-0008. Swirl to mix. Sample will turn green. 4. Add R-0009 dropwise, swirling and counting after each drop, until color changes from green to red. 5. Multiply drops in Step 4 by 10. Record as parts per million (ppm) total alkalinity as calcium carbonate (CaCO₂). * When high TA is anticipated: Use 10 mL sample, 1 drop R-0007, 3 drops R-0008, and multiply drops in Step 4 by 25. 	 Cyanuric Acid (CYA) Test Rinse and fill bottle (#9191) to 7 mL mark with water to be tested. Add R-0013 to 14 mL mark. Cap and mix for 30 seconds. Slowly transfer cloudy solution to small comparator tube until black dot on bottom just disappears when viewed from top. Read tube at liquid level on back of comparator block. Record reading as parts per million (ppm) cyanuric acid (CYA). Sodium Chloride (Salt) Test For 1 drop = 200 ppm Rinse and fill sample tube (#9198) to 10 mL mark with water to be tested. Add 1 drop R-0630. Swirl to mix. Sample will turn yellow. Add R-0718 dropwise, swirling and counting after each drop, until color changes from yellow to a milky salmon (brick red). NOTE: A white precipitate will form as R-0718 Silver Nitrate Reagent is added to the sample. Do not add enough R-0718 Silver Nitrate Reagent to give a brown color. First change from yellow to a milky salmon (brick red) is the endpoint. 4. Multiply drops of R-0718 by 200. Record as parts per million (ppm) salt as sodium chloride (NaCI).
 tap water. Multiply reading by 5 to obtain approximate sanitizer level. <i>pH Test</i> Rinse and fill large comparator tube to 44 mL mark with water to be tested. Add 5 drops R-0004. Cap and invert to mix. Match color with color standard. Record as pH units and save sample if pH needs adjustment. If sample color is between two values, pH is average of the two. To LOWER pH: See Acid Demand Test. Add <i>Demand Test</i> Use treated sample from pH test. Add R-0005 dropwise. After each drop, count, cap and invert to mix, and compare with color standards until desired pH is matched. See Treatment Tables to continue. 	 Calcium Hardness (CH) Test 1. Rinse and fill large comparator tube to 25 mL mark with water to be tested.* 2. Add 20 drops R-0010. Swirl to mix. 3. Add 5 drops R-0011L. Swirl to mix. If calcium hardness is present, sample will turn red. 4. Add R-0012 dropwise, swirling and counting after each drop, until color changes from red to blue. 5. Multiply drops in Step 4 by 10. Record as parts per million (ppm) calcium hardness as calcium carbonate (CaCO₃). * When high CH is anticipated: Use 10 mL sample, 10 drops R-0010, 3 drops R-0011L, and multiply drops in Step 4 by 25. 	