these instructions and should be 1. Read precautions on all labels.	4. Replace reagents once each year. 7. Ob	nse tubes before and after each test. Instr. #5138 tain samples 18" (45 cm) below water surface. Id bottle vertically when dispensing.
 Free & Combined Chlorine Test Rinse and fill large comparator tube to desired mark with water to be tested. NOTE: For 1 drop = 0.2 ppm, use 25 mL sample. For 1 drop = 0.5 ppm, use 10 mL sample. Add 2 dippers R-0870. Swirl until dissolved. If free chlorine is present, sample will turn pink. NOTE: If pink color disappears, add R-0870 until color turns pink. Add R-0871 dropwise, swirling and counting after each drop, until color changes from pink to colorless. Multiply drops in Step 3 by drop equivalence (Step 1). Record as parts per million (ppm) free chlorine (FC). Add B dro871 dropwise, swirling and counting after each drop, until color changes from pink to colorless. Add R-0871 dropwise, swirling and counting after each drop, until color changes from pink to colorless. Multiply drops in Step 3 by drop equivalence (Step 1). Record as parts per million (ppm) free chlorine (CC). <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. To RAISE pH: See base demand test. Add R-0005 dropwise. After each drop, count, mix, and compare with color standards until desired pH is matched. See treatment tables to continue. Base Demand Test Luse treated sample from pH test.<!--</td--><td> Total Alkalinity Test Rinse and fill large comparator tube to 25 mL mar with water to be tested.* Add 2 drops R-0007. Swirl to mix. Add 5 drops R-0008. Swirl to mix. Sample shoul turn green. Add R-0009 dropwise. After each drop, count an swirl to mix until color changes from green to red. Multiply drops in Step 4 by 10. Record as parts pe million (ppm) total alkalinity as calcium carbonate. <i>When high TA is anticipated</i>, this procedure mabe used: Use 10 mL sample, 1 drop R-0007, 3 drop R-0008, and multiply drops in Step 4 by 25. </td> Calcium Hardness Test Rinse and fill large comparator tube to 25 mL mar with water to be tested.* Add S drops R-0010. Swirl to mix. Add S drops R-0011. Swirl to mix. If calcium hardness is present, sample will turn red. Add R-0012 dropwise. After each drop, count an swirl to mix until color changes from red to blue. Multiply drops in Step 4 by 10. Record as parts pe million (ppm) calcium hardness as calcium carbonate 	 Total Alkalinity Test Rinse and fill large comparator tube to 25 mL mar with water to be tested.* Add 2 drops R-0007. Swirl to mix. Add 5 drops R-0008. Swirl to mix. Sample shoul turn green. Add R-0009 dropwise. After each drop, count an swirl to mix until color changes from green to red. Multiply drops in Step 4 by 10. Record as parts pe million (ppm) total alkalinity as calcium carbonate. <i>When high TA is anticipated</i>, this procedure mabe used: Use 10 mL sample, 1 drop R-0007, 3 drop R-0008, and multiply drops in Step 4 by 25. 	 with water to be tested. 2. Add R-0013 to 14 mL mark. Cap and mix for 30 seconds. 3. Slowly transfer cloudy solution to small comparator tube until black dot on bottom just disappears when viewed from top. 4. Read tube at liquid level on back of comparator block. Record reading as parts per million (ppm) cyanuric acid. Sodium Chloride (Salt) Test For 1 drop = 200 ppm 1. Rinse and fill sample tube (#9198) to 10 mL mark with water to be tested. 2. Add 1 drop R-0630. Swirl to mix. Sample should turn yellow. 3. Add R-0718 dropwise, swirling and counting after each drop, until color changes from yellow to a milky salmon (brick) red. Always hold bottle in vertical position. NOTE: Do not add enough R-0718 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.
standards until desired pH is matched. See treatment table to continue.		