DROP TEST
TOTAL DISSOLVED SOLIDS (1 drop = 50 ppm)

COMPONENTS:

1 x 4026	Dipper Spoon, 2 g, plastic, white	
1 x 5074	Instruction	
2 x 9198	Sample Tube, Graduated (25 mL) w/ cap, plastic	
1 x R-0007-A	Thiosulfate N/10, .75 oz, DB	
1 x R-0008-C	Total Alkalinity Indicator, 2 oz, DB	
1 x R-0809-II	TDS Resin, 50 g	
1 x R-0810-C	Sodium Carbonate .24N, 2 oz, DB	
1 x R-0811-C	Sulfuric Acid .24N, 2 oz, DB	

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE 800-TEST KIT (800-837-8548).

PROCEDURE:

CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS. KEEP REAGENTS AWAY FROM CHILDREN.

NOTE: When dispensing reagents from dropper bottles, **always** hold bottle in a vertical position.

Total Dissolved Solids Test

1. Rinse and fill 25 mL sample tube (#9198) to 10 mL mark with water to be tested.

2. Add 3 drops R-0007 Thiosulfate N/10. Swirl to mix.

3. Add 3 drops R-0008 Total Alkalinity Indicator. Swirl to mix. Sample will turn green.

4. Add R-0811 Sulfuric Acid .24N dropwise, swirling and counting after each drop, until color changes from green to red. Record drops of R-0811 Sulfuric Acid .24N used. Discard sample.

5. Rinse and fill 25 mL sample tube to 25 mL mark with water to be tested.

6. Add 3 drops R-0007 Thiosulfate N/10. Swirl to mix.

7. Using 2 g dipper spoon (#4026), add 2 level dippers R-0809 TDS Resin. Cap and shake vigorously for 1 minute. ALLOW TO STAND UNTIL RESIN SETTLES. Carefully decant 10 mL into second sample tube (#9198).

8. Add 3 drops R-0008 Total Alkalinity Indicator to second sample tube. Swirl to mix. Sample will turn red.

9. Add R-0810 Sodium Carbonate .24N dropwise, swirling and counting after each drop, until color changes from red to green. Record drops of R-0810 Sodium Carbonate .24N used.

10. Multiply total drops of R-0810 Sodium Carbonate .24N and R-0811 Sulfuric Acid .24N (Steps 4 & 9) by 50. Record as parts per million (ppm) total dissolved solids as calcium carbonate ($CaCO_3$).

taylor

31 Loveton Circle, Sparks, MD 21152 USA
800-TEST KIT (837-8548) • 410-472-4340   011018