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Instructions

Instruction Number: 5067G

DROP TEST ALKALINITY - PM/PT

COMPONENTS:

- | | |
|---------------|--|
| 1 x 5067G | Instruction |
| 1 x 9198G | Sample Tube, Graduated, 25 mL, plastic w/cap and green dot |
| 1 x R-0637-C | Methyl Orange Indicator, 2 oz, DB |
| 1 x R-0638G-A | Phenolphthalein Indicator (green cap), .75 oz, DB |
| 1 x R-0645-C | Total Alkalinity Indicator, 2 oz, DB |
| 1 x R-0687G-C | Sulfuric Acid .12N (green cap), 2 oz, DB |

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE
877-7WATER6 (877-792-8376) or [email us](#) with your requirements.

PROCEDURE:

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

Alkalinity-P/M (Drop Test)

1. Rinse and fill 25 mL sample tube (#9198G) to 25 mL mark with water to be tested.
2. Add 3 drops R-0638G Phenolphthalein Indicator. Swirl to mix. Sample will turn pink if P alkalinity is present--proceed to Step 3. If no pink color, go to Step 4.
3. If pink, add R-0687G Sulfuric Acid .12N dropwise, swirling and counting after each drop, until color changes from pink to colorless. Record drops as P reading. Always hold bottle in vertical position.
4. Add 5 drops R-0637 Methyl Orange Indicator. Swirl to mix. Sample should turn yellow.
5. Continue adding R-0687G Sulfuric Acid .12N dropwise, swirling and counting after each drop, until color just changes from yellow to orange (salmon pink). Record total drops (Steps 3 and 5) as M reading. Always hold bottle in vertical position.

6. Multiply P reading by 10. Record as parts per million (ppm) P alkalinity as calcium carbonate. Multiply M reading by 10. Record as ppm M alkalinity as calcium carbonate.

Alkalinity-P/T (Drop Test)

1. Rinse and fill 25 mL sample tube (#9198G) to 25 mL mark with water to be tested.
2. Add 3 drops R-0638G Phenolphthalein Indicator. Swirl to mix. Sample will turn pink if P alkalinity is present--proceed to Step 3. If no pink color, go to Step 4.
3. If pink, add R-0687G Sulfuric Acid .12N dropwise, swirling and counting after each drop, until color just changes from pink to colorless. Record drops as P reading. Always hold bottle in vertical position.
4. Add 5 drops R-0645 Total Alkalinity Indicator. Swirl to mix. Sample should turn green.
5. Continue adding R-0687G Sulfuric Acid .12N dropwise, swirling and counting after each drop, until color changes from green to red. Record total drops (Steps 3 and 5) as T reading. Always hold bottle in vertical position.
6. Multiply P reading by 10. Record as parts per million (ppm) P alkalinity as calcium carbonate. Multiply T reading by 10. Record as ppm T alkalinity as calcium carbonate.

04/09