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Instructions

Instruction Number: 5209

DROP TEST
P/T ALKALINITY (1 drop = 10 ppm)

COMPONENTS:

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.

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

NOTE: For results in grains per gallon (gpg), fill to 14.6 mL mark.

- Add 3 drops R-0638G Phenolphthalein Indicator. Swirl to mix. Sample will turn pink if P alkalinity is present--proceed to Step 3. If colorless, 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-0645 Total Alkalinity Indicator. Swirl to mix. Sample should turn green.
- 5. Add 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. For 14.6 mL sample, record P reading as grains per gallon (gpg) P alkalinity as calcium carbonate. Record T reading as gpg T alkalinity as calcium carbonate.

03/09