CAUSTIC KIT

Code 7181-01 | Drop Count, 1 drop = 0.1%, 1% NaOH

QUANTITY	CONTENTS	CODE
30 mL	*Hydrochloric Acid, 3.6N	*5649WT-G
15 mL	*Phenolphthalein Indicator, 0.5%	*2258-E
30 mL	*Barium Chloride Solution, 10%	*6117-G
1	Pipet, 0.5 mL, plastic	0353
1	Test Tube 5-10-15-20-25-30 mL, plastic, w/cap	0715

To order individual reagents or test kit components, use the specified code number.

*Reagent is a potential health hazard. **READ SDS:** lamotte.com
Emergency information:
Chem-Tel USA 1-800-255-3924
Int'l, call collect, 813-248-0585

NOTE: The procedures eliminate non-hydroxyl alkalinity contributors. If a total alkalinity determination is preferred, skip the addition of *Barium Chloride Solution 10% (6117) in Step 2 or Step 3. Record the result as total alkalinity as NaOH.

PROCEDURE

1 Drop = 0.1%

1. Fill test tube (0715) to 5 mL line with sample.
2. Add 10 drops of *Barium Chloride Solution, 10% (6117). Swirl to mix. A white precipitate will form if carbonates are present.
3. Add 1 drop of *Phenolphthalein Indicator, 0.5% (2258). Swirl to mix. Solution will turn pink.
4. While gently swirling tube, add *Hydrochloric Acid, 3.6N (5649WT) one drop at a time until pink color disappears. Count the number of drops added. Hold dropper bottle vertically.
5. Multiply the number of drops used in Step 4 by 0.1. Record as Percent Caustic as NaOH.

1 Drop = 1%

1. Use the 0.5 mL pipet (0353) to add 0.5 mL of sample to test tube (0715).
2. Dilute to 5 mL line with tap water.
3. Add 10 drops of *Barium Chloride Solution, 10% (6117). Swirl to mix. A white precipitate will form if carbonates are present.
4. Add 1 drop of *Phenolphthalein Indicator, 0.5% (2258). Swirl to mix. Solution will turn pink.
5. While gently swirling tube, add *Hydrochloric Acid, 3.6N (5649WT) one drop at a time until pink color disappears. Count the number of drops added. Hold dropper bottle vertically.
6. Multiply the number of drops used in Step 5 by 1. Record as Percent Caustic as NaOH.

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