



CAUSTIC KIT

DROP COUNT, 1 DROP = 0.1%, 1% NaOH

CODE 7181-01

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 mL, plastic, w/cap	0715

*WARNING: Reagents marked with an * are considered to be potential health hazards. To view or print a Safety Data Sheet (SDS) for these reagents go to www.lamotte.com. Search for the four digit reagent code number listed on the reagent label, in the contents list or in the test procedures. Omit any letter that follows or precedes the four digit code number. For example, if the code is 4450WT-H, search 4450. To obtain a printed copy, contact LaMotte by email, phone or fax.

Emergency information for all LaMotte reagents is available from Chem-Tel: (US, 1-800-255-3924) (International, call collect, 813-248-0585)

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

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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