

ACIDITY TEST KIT

CODE 7182

QUANTITY	CONTENTS	CODE
30 mL	*Sodium Hydroxide, 2.4N	*5648-G
15 mL	*Phenolphthalein Indicator, 0.5%	*2258-E
1	Pipet, 0.5 mL, plastic	0353
1	Test tube, 5-10-25 mL, plastic, w/cap	0715

***WARNING:** Reagents marked with a * are considered to be potential health hazards. To view or print a Material Safety Data Sheet (MSDS) for these reagents see MSDS CD or www.lamotte.com. To obtain a printed copy, contact LaMotte by e-mail, phone or fax.

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

WARNING! This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision

PROCEDURE

1 drop = 0.1%

1. Fill test tube (0715) to 5 mL line with sample.
2. Add one drop of *Phenolphthalein Indicator, 0.5% (2258). Mix.
3. While gently swirling tube, add *Sodium Hydroxide, 2.4N (5648) one drop at a time until solution turns pink. Count the number of drops added. Hold bottle vertically.
4. Multiply the number of drops used in Step 3 by 0.1. Record as % Phosphoric Acid or Sulfuric Acid.

To receive result as % hydrochloric acid, multiply number of drops used in Step 3 by 0.076. Record as % Hydrochloric Acid.

1 drop = 1%

1. Use 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 one drop of *Phenolphthalein Indicator, 0.5% (2258). Mix.
4. While gently swirling tube, add *Sodium Hydroxide, 2.4N (5648) one drop at a time until solution turns pink. Count the number of drops added. Hold bottle vertically.
5. Multiply the number of drops used in Step 3 by 1. Record as % Phosphoric Acid or Sulfuric Acid.

To receive result as % hydrochloric acid, multiply number of drops used in Step 3 by 0.76. Record as % Hydrochloric Acid.