

## DROP COUNT, 1 DROP = 0.1%, 1% HCL

CODE 7182-01

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 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](http://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.

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). Swirl to 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 % Sulfuric 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). Swirl to 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 4 by 1. Record as % Sulfuric Acid.

## CONVERSIONS

---

To convert the results from % Sulfuric Acid to:

<b>ACID</b>	<b>MULTIPLY THE NUMBER OF DROPS BY:</b>
% Acetic Acid	1.22
% Citric Acid	1.31
% Glycolic Acid (Hydroxyl Acetic)	1.55
% Hydrochloric Acid	0.74
% Lactic Acid	1.84
% Nitric Acid	1.29
% Phosphoric Acid	1.00



Yalitech Instruments

Santiago de Chile, Río Refugio 9648, Parque de Negocios ENEA, Pudahuel.

[www.yalitech.cl](http://www.yalitech.cl) · [ventas@yalitech.cl](mailto:ventas@yalitech.cl) · (+56 2) 28988221