



GLUTARALDEHYDE KIT

DIRECT READING TITRATOR, 0-300 ppm

CODE 7064-01

QUANTITY	CONTENTS	CODE
60 mL	*Sulfuric Acid, 0.2N	*6289-H
60 mL	*Sulfuric Acid, 0.2N	*6289WT-H
120 mL	*Sodium Hydroxide, 0.2N	*5168-J
15 mL	*Phenolphthalein Indicator, 1%	*2246-E
50 g	*Glutaraldehyde Test Powder	*7114-H
250 mL	Distilled Water	5175PT-K
1	Spoon, 1.0 g, plastic	0697
1	Funnel, plastic	0459
1	Direct Reading Titrator, 0-1.0 Range	0376
2	Test Tubes, 25 & 40 mL, plastic, w/caps	0271
1	Filter Paper, 50/pk	0465-H
2	Pipets, 1.0 mL, plastic	0354

*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.

PROCEDURE

1. Fill test tube (0271) to 40 mL line with sample. NOTE: If sample is cloudy, filter before testing.
2. Add 1 drop of *Phenolphthalein Indicator, 1% (2246). If solution turns pink, add Sulfuric Acid, 0.2N (6289WT) dropwise until solution turns colorless. If colorless, proceed to Step 3.
3. Fill Direct Reading Titrator (0376) with *Sodium Hydroxide, 0.2N (5168). While gently swirling tube, add *Sodium Hydroxide, 0.2N until solution turns pink.
4. Use a 1.0 pipet (0354) to add 2.0 mL (two measures) of *Sulfuric Acid, 0.2N (6289). Solution will be colorless.
5. Use the 1.0g spoon (0697) to add 1 level measure of *Glutaraldehyde Test Powder (7114). Cap and shake gently for 40 seconds.
6. Refill Direct Reading (0376) with *Sodium Hydroxide, 0.2N (5168).
7. While gently swirling test tube, slowly depress plunger until the pink color appears and lasts for 30 seconds. Read the test result directly from the scale where the large ring on the Titrator meets the Titrator barrel. Record amount used.
8. Repeat procedure using a distilled water blank.
9. Subtract test result from blank. Multiply by 250. Record as ppm Glutaraldehyde.

$$\text{ppm Glutaraldehyde} = (B - A) (250)$$

B = mL NaOH used for blank

A = mL NaOH used for sample

LaMOTTE COMPANY

Helping People Solve Analytical Challenges

802 Washington Ave · Chestertown · Maryland · 21620 · USA
800-344-3100 · 410-778-3100 [Outside U.S.A.] · Fax 410-778-6394

Visit us on the web at www.lamotte.com