



## HYDROGEN PEROXIDE KIT

DROP COUNT, 1 drop=1%

CODE 7150-01

QUANTITY	CONTENTS	CODE
10g	*Potassium Iodide Crystals	*6809-D
30 mL	Starch Indicator Solution	4170WT-G
60 mL	Peroxide % Titrant	7456WT-H
60 mL	*Acidified Catalyst	*7140-H
1	Test Tube 5-10-25 mL, plastic, w/cap	0715
1	Spoon, 0.1g	0699
1	Pipet, 0.5 mL, plastic	0353

\*WARNING: Reagents marked with an \* are considered to be potential health hazards. To view or print a Material Safety Data Sheet (MSDS) for these reagents go to [www.lamotte.com](http://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.

### PROCEDURE

1. Fill test tube (0715) to 5 mL line with tap water.
2. Use 0.5 mL pipet to add 0.5 mL of sample to test tube (0715).
3. Add 10 drops of \*Acidified Catalyst (7140). Swirl to mix.
4. Use the 0.1g spoon to add one measure of Potassium Iodide Crystals (6809). Swirl until dissolved. Solution will turn yellow or brown if hydrogen peroxide is present.
5. Add 5 drops of Starch Indicator (4170). Swirl to mix. Solution will turn blue to brown.
6. While gently swirling tube, add Peroxide % Titrant (7456WT) one drop at a time, until blue color disappears. Count the number of drops added. Hold bottle vertically.
7. Multiply the number of drops used in Step 6 by 0.5. Record as percent (%) Hydrogen Peroxide ( $H_2O_2$ ).

### LaMOTTE COMPANY

Helping People Solve Analytical Challenges®

PO Box 329 • Chestertown • Maryland • 21620 • USA  
800-344-3100 • 410-778-3100 (Outside USA.) • Fax 410-778-6394

Visit us on the web at [www.lamotte.com](http://www.lamotte.com)