



## POTASSIUM KIT

DOUBLE TUBE, 6-60 ppm

CODE 3138-01

QUANTITY	CONTENTS	CODE
15 mL	*Sodium Hydroxide, 6%	*7745-E
5g	*Tetraphenylboron Powder	*6364-C
1	Spoon, 0.05g	0696
1	Potassium Double-Tube Assembly, 6-50 ppm	0780
1	Brush, Test Tube	0514

\*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 the round tube to lower line with the sample water.
2. Add distilled water until tube is filled to upper line.
3. Add 2 drops \*Sodium Hydroxide, 6% (7745). Cap and mix.
4. Use the 0.05g spoon (0696) to add one level measure of \*Tetraphenylboron Powder (6364).
5. Cap and shake vigorously for 30 seconds, or until all the powder is dissolved. A white precipitate will form immediately if potassium is present.
6. Wait 5 minutes.
7. Shake the tube again, remove cap and slowly insert the square tube with collar. The square tube will slide down through the collar and fill with liquid.
8. Viewing from above, slide the square tube 1 down into the turbid solution until the black dot on the base just disappears. Hold the round tube at the top to avoid blocking light.
9. Note the height of the liquid in the square tube on the scale. Calibrations represent parts per million potassium.

NOTE: Thoroughly wash test tubes with brush after each use.

### LaMOTTE COMPANY

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