

POTASSIUM KIT
Code 3138-01 | DOUBLE TUBE, 10-60 ppm



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, 10-60 ppm	0780
1	Brush, Test Tube	0514



*Reagent is a potential health hazard. **READ SDS:** lamotte.com
Emergency information:
Chem-Tel USA 1-800-255-3924
Int'l, call collect, 813-248-0585



PROCEDURE

1. Fill the round tube to the lower line with the sample water.
2. Add distilled water until the tube is filled to the upper line.
3. Add 2 drops of *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 and remove solid cap. Insert the calibrated square tube into the outer tube with reacted sample. Hold the tube assembly and view the black dot in the square tube from above.
8. While holding assembly, slowly lower the square tube into solution until the black dot just barely disappears. The square tube will fill. Secure the tube assembly in place and raise to eye level to read result on square tube at the water level in the outer tube.
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.