HIGH RANGE QAC KIT

Code 3042-01 | Direct Reading Titrator, 0-5000 ppm

QUANTITY	CONTENTS	CODE
15 mL	QAC Indicator Solution	6413-E
60 mL	QAC Titration Solution	6412-H
1	Plastic Tube, 5-10-15-20-25-30 mL, w/cap	0715-DRT
1	Syringe, 5 mL	30550
1	Direct Reading Titrator, 0-1,000 Range	0384
1	Brush, Test Tube	0514

To order individual reagents or test kit components, use the specified code number.

*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

Read the LaMotte Direct Reading Titrator Manual before proceeding. The Titrator is calibrated in parts per million (ppm) QAC; each minor division equals 20 ppm.

NOTE: High water hardness levels above 600 ppm may interfere. A dilute HCl solution may be added to lower the pH to 2-5 to compensate for the interference.

PROCEDURE

1. Use the syringe, or other available device, to add 5 mL of sample water to the test tube (0715-DRT). Dilute to 15 mL line with QAC-free tapwater or distilled water.

   NOTE: Other sample sizes may be used to extend the range of the test. Use the table below to determine sample size and appropriate multiplication factor for the Titrator reading from Step 5.

Range	Sample Size	Multiply Titrator reading by:
0-5000 ppm	1.0 mL	5
0-2500 ppm	2.0 mL	2.5
0-2000 ppm	2.5 mL	2

2. Add 5 drops of QAC Indicator Solution (6413). Cap and mix. Solution will turn green. Solution will turn brown if no QAC is present.
3. Fill Direct Reading Titrator (0384) with QAC Titration Solution (6412).
4. While gently swirling the tube, slowly press the plunger to titrate until the green tint just disappears and the solution turns brown.
5. Read the test result directly from the scale where the large ring on the Titrator meets the Titrator barrel. If using a sample size other than 5 mL, multiply Titrator result by the appropriate multiplication factor. Record as ppm QAC.
6. Thoroughly wash the test tube with the brush (0514). Rinse with clean water after each test.

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