

# POLYQUAT KIT

DROP COUNT, 1 DROP = 1 PPM

CODE 7056-01

QUANTITY	CONTENTS	CODE
60 mL	Polyquat Titrating Solution	7125-H
30 mL	Toluidine Blue O Indicator	3995-G
60 mL	*EDTA Solution	*7117-H
15 mL	*Phenolphthalein Indicator, 0.5%	*2258-E
15 mL	*Sulfuric Acid 0.5N	*6090-E
1	Test Tube, 5-10-25 mL, plastic, w/cap	0715
1	Quat/Polyquat Endpoint Color Chart	3613-CC

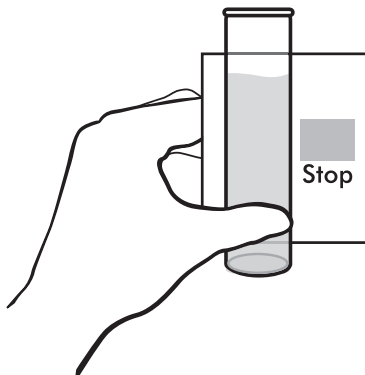
**\*WARNING:** Reagents marked with an \* are considered to be potential health hazards. To view or print a Safety Data Sheet (SDS) for these reagents go to [www.lamotte.com](http://www.lamotte.com). Search for the four digit reagent code number listed on the reagent label, in the contents list or in 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 numbers.

## THE ENDPOINT COLOR CHART

Hold test tube against the color chart as shown to match endpoint.



## PROCEDURE

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1. Rinse and fill test tube (0715) to the 25 mL line with sample water.
2. Add 5 drops \*EDTA Solution (7117). If the hardness of the sample is above 500 ppm, add 10 drops of \*EDTA Solution (7117). Swirl to mix.
3. NOTE: If pH is below 8.3, this step is not necessary.  
Add 2 drops of \*Phenolphthalein Indicator, 0.5% (2258). Swirl to mix. If colorless, proceed to Step 4. If pink, add \*Sulfuric Acid, 0.5N (6090) one drop at a time, until the pink color disappears.
4. Add 8 drops of Toluidine Blue O Indicator (3995). Solution should turn light blue.
5. While gently swirling the test tube, add Polyquat Titrating Solution (7125) one drop at a time, until blue color changes to purple. For best results, when the first color change is detected, use the Quat/Polyquat Endpoint color chart (3613) as shown to match the color of the solution exactly to the endpoint. Continue adding Polyquat Titrating Solution until color matches endpoint. Count the number of drops added. Hold bottle vertically.
6. Subtract 1 from the number of drops used in Step 5. Record as ppm Polyquat.

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PO Box 329 · Chestertown · Maryland · 21620 · USA  
800-344-3100 · 410-778-3100 [Outside U.S.A.] · Fax 410-778-6394  
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