TOTAL HARDNESS KIT

Code 7171-02 | Drop Count, 1 drop = 10, 25, 50 ppm

QUANTITY	CONTENTS	CODE
2 x 30 mL	*Hardness Reagent #5	*4483-G
30 mL	*Hardness Reagent #6 Solution	*4485-G
60 mL	Hardness Titrant 10	2783WT-H
1	Test Tube, 5-10-15-20-25 mL, plastic, w/cap	0715

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

Warning! This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision.

PROCEDURE

1. This test allows the analyst to use different sample volumes to vary equivalencies. Rinse test tube with sample water. Fill with desired sample size selected from table.

SAMPLE	EQUIVALENCE
25 mL	1 drop = 10 ppm
10 mL	1 drop = 25 ppm
5 mL	1 drop = 50 ppm

2. Add *Hardness Reagent #5 (4483) as follows:

25 mL	10 drops
10 mL	8 drops
5 mL	5 drops

Swirl to mix

3. Add *Hardness Reagent #6 Solution (4485) as follows:

25 mL	5 drops
10 mL	3 drops
5 mL	2 drops

Swirl to mix. Solution will be red if hardness is present. If solution is blue, there is no measurable amount of hardness.

4. While swirling tube, add Hardness Titrant 10 (2783WT) one drop at a time, until color changes to blue. Count the number of drops added. Hold bottle vertically.

5. Multiply number of drops used in Step 4 as follows:

25 mL	multiply by 10
10 mL	multiply by 25
5 mL	multiply by 50

Record the result as ppm Total Hardness as $CaCO_3$

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