



TOTAL HARDNESS KIT

DROP COUNT, 1 DROP = 2, 5, OR 10 ppm

CODE 7246-02

QUANTITY	CONTENTS	CODE
2 x 30 mL	*Hardness Reagent #5	*4483-G
30 mL	*Hardness Reagent #6 Solution	*4485-G
60 mL	Hardness Titrant 2	2788WT-H
1	Sample Tube, 5-10-25 mL, w/cap	0715

*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. 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.

NOTE: This test allows the analyst to use different sample volumes to vary equivalencies. Select the appropriate sample volume from the table below and add reagents as specified.

SAMPLE SIZE	EQUIVALENCE (ppm per drop)
25 mL	1 drop = 2 ppm
10 mL	1 drop = 5 ppm
5 mL	1 drop = 10 ppm

PROCEDURE

1. Rinse sample tube with water to be tested. Fill with desired sample size.
2. Add *Hardness Reagent #5 (4483) as follows:

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

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

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

Mix. Solution will turn red if hardness is present. If solution is blue, there is no measurable amount of hardness.
4. Add Hardness Titrant 2 (2788WT), one drop at a time while swirling and counting the drops, until red color turns to blue.
5. Multiply number of drops used in Step 4 as follows:

25 mL sample	multiply by 2
10 mL sample	multiply by 5
5 mL sample	multiply by 10

Record as ppm Hardness as CaCO_3 .

LaMOTTE COMPANY

Helping People Solve Analytical Challenges®

PO Box 329 • Chestertown • Maryland • 21620 • USA
800-344-3100 • 410-778-3100 (Outside U.S.A.) • Fax 410-778-6394
Visit us on the web at www.lamotte.com