



TOTAL HARDNESS KIT

DROP COUNT, 1 DROP = 10, 20 ppm or 1 gpg

CODE 4482-LI-02

QUANTITY	CONTENTS	CODE
15 mL	*Hardness Reagent #5	*4483-E
15 mL	*Hardness Reagent #6	*4485-E
60 mL	Hardness Reagent #7	4487WT-H
1	Test Tube, Hardness, w/ cap	4488

*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. 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.

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

64482-LI-02 07.18

TOTAL HARDNESS TEST PROCEDURE

1



Fill the test tube (4488) to the desired line with the sample water.

upper line: 1 drop = 10 ppm CaCO_3

middle line: 1 drop = 1 gpg CaCO_3

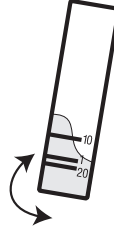
lower line: 1 drop = 20 ppm CaCO_3

2



Add 5 drops of
*Hardness Reagent #5
(4483).

3



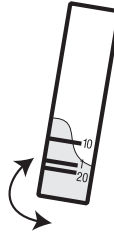
Swirl to mix.

4



Add 5 drops of
*Hardness Reagent #6
(4485).

5



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

6



While gently swirling the tube, add Hardness Reagent #7 (4487WT) one drop at a time until the red color changes to blue. Count the number of drops added. Hold bottle vertically.

7

Multiply the number of drops used in Step 6 as follows:

Tube filled to:

Upper line: each drop equals 10 ppm Hardness as CaCO_3

Middle line: each drop equals 1 gpg Hardness as CaCO_3

Lower line: each drop equals 20 ppm Hardness as CaCO_3