



Yalitech Instruments

Santiago de Chile, Río Refugio 9648, Parque de Negocios ENEA, Pudahuel.  
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## 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 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 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

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

<b>25 mL sample</b>	<b>10 drops</b>
<b>10 mL sample</b>	<b>8 drops</b>
<b>5 mL sample</b>	<b>5 drops</b>

Swirl to mix.

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

<b>25 mL sample</b>	<b>5 drops</b>
<b>10 mL sample</b>	<b>3 drops</b>
<b>5 mL sample</b>	<b>2 drops</b>

Swirl to 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. Hold bottle vertically.
5. Multiply number of drops used in Step 4 as follows:

<b>25 mL sample</b>	<b>multiply by 2</b>
<b>10 mL sample</b>	<b>multiply by 5</b>
<b>5 mL sample</b>	<b>multiply by 10</b>

Record as ppm Hardness as  $\text{CaCO}_3$ .



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