

TOTAL HARDNESS TITRETS TEST

DESCRIPTION

Total Hardness Titrets Test provides a safe and easy method for determining hardness in the form of calcium and magnesium ions. Each Titret ampoule contains premeasured, vacuum-sealed liquid titrant. A flexible valve assembly containing red indicator fits over the tapered tip of the ampoule. Sample is drawn into the ampoule until a color change from blue to pink signals that the titration is complete. The liquid level in the ampoule corresponds to a scale marked in ppm total hardness on the ampoule's outer surface.

APPLICATION AND USE

Total Hardness Titrets test method is applicable to treated cooling water and makeup water.

See below for test procedure.

TEST KIT CONTENTS

30 Titret Ampoules

30 Valve Assemblies

1 Sample Cup

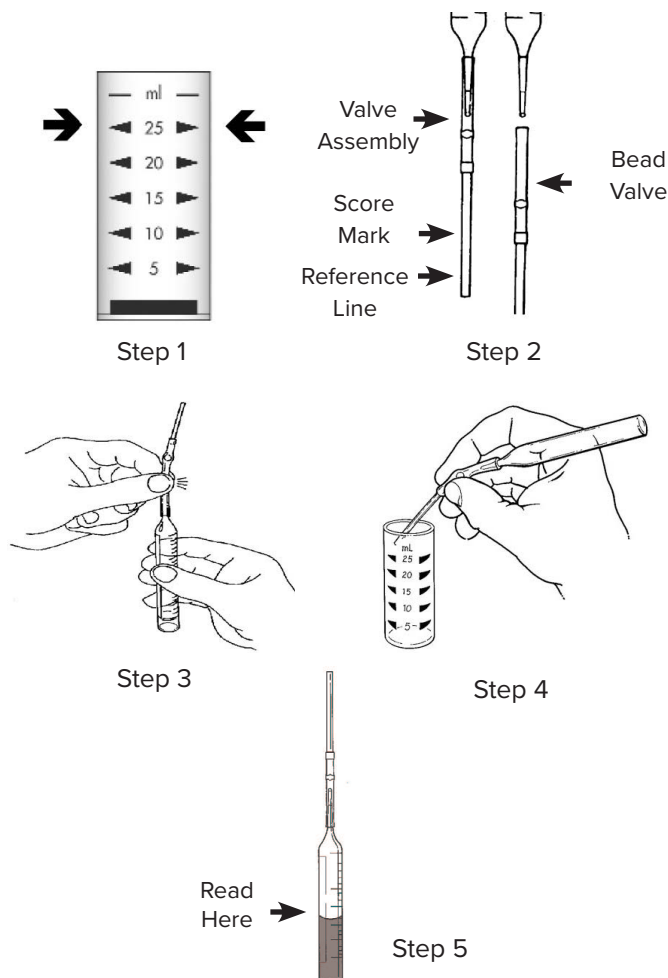
Instructions

PROCEDURE

1. Fill the sample cup to the 25-ml mark with sample (Step 1).
2. Slide the open end of the valve assembly over the tapered tip of the ampoule so that it fits snugly to the Reference Line (Step 2).
3. Snap the ampoule tip at the score mark (Step 3).
4. With the tip of the valve assembly immersed in the sample, squeeze the bead valve briefly to add a small amount of sample to the ampoule (Step 4). **NOTE:** Do not squeeze the bead valve unless the tip of the valve assembly is immersed below the surface of the liquid.
5. Rock the ampoule to mix the contents. The contents will turn a **BLUE** color.
6. Continue to add small amounts of sample until the liquid turns from BLUE TO PINK. Be sure to rock the ampoule to mix the contents after each addition of sample. When the color of the liquid changes to PINK, the end point has been reached. Stop the test, hold the ampoule with its tip pointed upward and read the scale opposite the liquid level to obtain the test results in ppm total hardness as calcium carbonate, CaCO_3 (Step 5).



Total Hardness Titrets Test (PCN 0378019)



Contact your Drew Marine representative for more information

**Drew Marine®**

400 Captain Neville Drive
Waterbury CT, 06705 USA
1-973-526-5700
Drew-Marine.com

Copyright © Drew Marine. All Rights Reserved. All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, express warranty or implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which seller assumes legal responsibility, and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.