



SEQUESTERING AGENT TEST KIT

CODE 4064

QUANTITY	CONTENTS	CODE
60 mL	Thorium Nitrate Reagent, 0.00132M	3965DR-H
100	Phosphonate Tablets	4067A-J
1	Test Tube, 5-10-15 mL, plastic	0715-DRT
1	Tablet Crusher	0175
1	Direct Reading Titrator, 0-20 Range	0378

To order individual reagents or test kit components, use the specified code numbers.

Carefully read the instruction manual for the Direct Reading Titrator before performing the titration procedure described below. The Titrator is calibrated in active sequestering agent (parts per million), and each minor division on the Titrator scale equals 0.4 ppm.

PROCEDURE

1. Fill test tube (0715-DRT) to the 10mL line with the sample water.
2. Add 2 Phosphonate Tablets (4067A). Crush the tablets with the Tablet Crusher (0175). Cap and swirl to mix until the tablets disintegrate. Tablets will not completely dissolve.
3. Fill the Direct Reading Titrator (0378) with Thorium Nitrate (3965DR). Insert the Titrator into the center hole of the test tube cap.
4. While gently swirling the test tube, slowly press the plunger to titrate until the solution changes from green to blue. Read the test result directly from the scale where the large ring on the Titrator meets the Titrator barrel. Record the results in ppm active sequestering agent.

NOTE: For the most accurate results, it is recommended that a reagent blank be determined by running the test on phosphonate-free water or on the make-up water. The reagent blank should be subtracted from the sample result to determine the concentration of active sequestering agent in the sample.

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