

Taylor's Hardness (Soap) Test Kit

INTRODUCTION

In the water conditioning and purification business, being able to identify your customer's water problems is the key to a successful sales presentation. A comprehensive set of demonstration tests can be your most valuable sales tool by providing objective evidence of the need for water treatment.

Taylor's soap demonstration drop test produces a qualitative measurement of the presence or absence of hardness in a water sample. If suds form after adding a soap solution, then the sample contains less than 1 gpg of hardness (ideal). If no suds form the sample contains greater than 1 gpg of hardness, thereby opening the door to a discussion about cost savings that will accrue from installation of a water-softening system.

This simple, effective demonstration is one of several tests (e.g., calcium hardness, pH, iron, copper, manganese, chlorine, alkalinity, total dissolved solids, nitrate) available from Taylor for characterizing a household's water quality.

HARDNESS (SOAP) KIT

K-1513*

Drop test (qualitative measurement only) using visual determination to indicate hardness greater than or less than 1 gpg

*Shipping note: Because of special packaging and shipping restrictions associated with this kit, ordering several simultaneously can save you money on freight costs. For more information contact our Customer Service Department at 800-TEST KIT (837-8548).



Taylor's K-1513: a quick, qualitative test for the presence of hardness in water. Each kit will perform over 100 demos.

USER BENEFITS

- Test provides a dramatic display of the effect of hard water on lather formation.
- Test kit **comes complete** with all necessary reagents and equipment.
- **Waterproof instructions** are printed on plastic-impregnated paper that resists fading and tearing.
- Custom-molded, durable plastic case provides **safe storage** for the test.
- **Proven chemistries** are based on *Standard Methods for the Examination of Water and Wastewater*, APHA, Washington, DC, and/or *American Society for Testing and Materials*, ASTM, Philadelphia, PA. Some methods use proprietary chemistry developed by Taylor Technologies.

ALSO AVAILABLE

- Several drop tests to measure **calcium, magnesium, and/or total hardness** in sensitivities ranging from trace to high concentrations.
- Test kits to determine whether water is likely to cause **scale formation** or **corrode metal** plumbing and fixtures.
- More than 500 other single-parameter and multi-parameter kits covering a wide range of water-testing requirements.
- **Demo softener** filled with mixed-bed indicating resin: *call to inquire about availability*.
- Individual replacement reagents.
- Testing supplies and kit replacement parts (e.g., burets, flasks, test tubes, and test cells).
- Toll-free technical assistance.

the most trusted name in water testing



Taylor Technologies, Inc.
410-472-4340
800-TEST KIT (837-8548)
www.taylor technologies.com

REPRESENTATIVE TEST PROCEDURE

Reproduced from K-1513 instruction:

DROP TEST HARDNESS (SOAP)

Instr. #5026

COMPONENTS:

1 x 5026	Instruction
1 x 9198	Sample Tube, Graduated, 25 mL, plastic w/cap
2 x R-0631	Soap Solution N/50, DB

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE 800-837-8548.

PROCEDURE:

**CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.
KEEP REAGENTS AWAY FROM CHILDREN.**

1. Rinse and fill 25 mL sample tube (#9198) to 25 mL mark with water to be tested.
2. Add 5 drops R-0631 Soap Solution N/50. Cap and shake vigorously for 10 seconds. WAIT 1 MINUTE.
3. If sample has a full head of suds, less than 1 grain per gallon (gpg) hardness is present. If sample does not have a full head of suds (weak suds or no suds), greater than 1 gpg hardness is present.



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