

# Model 5B Hardness Test Kit

Cat. Number 1453-00

## NOTE

**This kit contains chemicals that may be harmful if misused. Carefully read the label on each container.**

## DIRECTIONS

1. Fill test tube (Cat. No. 438-00) to the **top** with sample.
2. Pour sample into mixing bottle (Cat. No. 439-06).
3. Add 1 level spoonful (Cat. No. 511-00) of UniVer<sup>®</sup> 3 Hardness Reagent (Cat. No. 213-20).
4. Add the Hardness 3 Titrant Solution (Cat. No. 426-32) to the mixing bottle dropwise while swirling the mixing bottle. When the sample color changes from pink to blue, record the number of drops added.  
***Note:** If one drop produces a blue color, total hardness is < 1 grain per gallon.*
5. Number of drops = Total Sample Hardness in grains per gallon as CaCO<sub>3</sub>.

### HACH Company

P.O. Box 389, Loveland, CO  
80539-0389, U.S.A.

### HACH Europe

S.A./N.V.; Namur, Belgium  
Telephone: (32)(81) 44.71.71