LaMotte

LOW RANGE DETERGENT KIT

SOLVENT EXTRACTION/BROMPHENOL BLUE INDICATOR METHOD
CODE 4515-01

QTY.	CONTENTS	CODE
60 g	Detergent Reagent #1	7444-H
3 x 100 mL	*Detergent Reagent #2	*6037-J
100 mL	*Detergent Reagent #3	*7445-J
1	Pipet, 0.5 mL, glass, w/cap	0335
1	Spoon, 1.0 g	0697
1	Bottle, French, Calibrated to 65 & 75 mL	0800

*WARNING: Reagents marked with an * are considered to be potential health hazards. To view or print a Material Safety Data Sheet (MSDS) for these reagents go to www.lamotte.com. To obtain a printed copy, contact LaMotte by e-mail, phone or fax.

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

PROCEDURE

1. Fill Bottle (0800) to 65 mL line with sample water.
2. Use the 1.0 g spoon (0697) to add 2 measures of Detergent Reagent #1 (7444). Shake until dissolved.
3. Fill to 75 mL line with Detergent Reagent #2 (6037).
4. Use pipet (0335) to add 0.5 mL *Detergent Reagent #3 (7445). Shake vigorously for 15 seconds. Wait until layers separate (20-30 seconds). If the top layer is light blue, less than 0.1 ppm detergent is present and no further testing is necessary. If the top layer is colorless, continue adding *Detergent Reagent #3 (7445), 0.5 mL at a time, shaking vigorously for 15 seconds after each addition , allowing the layers to separate until the top layer is light blue. Count the number of additions of 0.5 mL additions of *Detergent Reagent #3 (7445) required to change the top layer in the Bottle from colorless to light blue.
5. Detergent concentrations in ppm = (Number of pipets Detergent #3 (7445) - 1) x 0.1.

   EXAMPLE: It takes 9 pipets to turn top layer light blue. (9-1) x 0.1 = 0.8. The amount of detergent is greater than 0.7 ppm but less than 0.9 ppm detergent.

   NOTE: Sensitivity 0.1 ppm detergent.