

## DROP TEST

### FREE CHELANT (1 drop = 2 ppm EDTA)

#### COMPONENTS:

1 x 4027	Funnel, 58 mm, plastic
1 x 5035	Instruction
1 x 6009	Filter Paper, 9.0 cm, #610, 100/box
1 x 9198LB	Sample Tube, Graduated (25 mL) w/ cap & light blue dot, plastic
1 x R-0619LB-C	Hardness Buffer, 2 oz w/ light blue cap
1 x R-0620LB-I	Hardness Indicator Powder, 10 g w/ light blue dot
1 x R-0755-C	Magnesium Chloride Reagent, 2 oz, DB

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE  
800-TEST KIT (800-837-8548).

#### PROCEDURE:

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

NOTE: When dispensing reagents from dropper bottles, **always** hold bottle in a vertical position.

#### Free Chelant Test

1. Filter water to be tested to clarify.
2. Rinse and fill 25 mL sample tube (#9198LB) to 25 mL mark with water to be tested.
3. Add 5 drops R-0619LB Hardness Buffer. Swirl to mix.
4. Add 1 level dipper R-0620LB Hardness Indicator Powder. Swirl until dissolved. Sample will turn blue (Fig. 1) if chelant is present.

5. Add R-0755 Magnesium Chloride Reagent dropwise, swirling and counting after each drop, until color changes from blue to red (Fig. 2).

6. Multiply drops of R-0755 Magnesium Chloride Reagent by 2. Record as parts per million (ppm) free chelant as EDTA disodium dihydrate (ethylenediaminetetraacetic acid disodium salt dihydrate).



Fig. 1

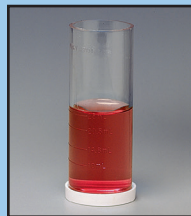


Fig. 2



31 Loveton Circle, Sparks, MD 21152 USA  
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