

DROP TEST ZINC (1 drop = 0.5 ppm)

COMPONENTS:

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|------------------|--|
| 1 x 4028 | Pipet, Calibrated (0.5 mL) w/ cap, plastic |
| 1 x 4030 | Pipet, Calibrated (0.5 & 1.0 mL) w/ cap, plastic |
| 1 x 5012 | Instruction |
| 1 x 9198 | Sample Tube, Graduated (25 mL) w/ cap, plastic |
| 1 x R-0627S-10-C | Sulfuric Acid N/10, 2 oz, DB |
| 1 x R-0628-10-C | Sodium Hydroxide N/10, 2 oz, DB |
| 1 x R-0839-C | Zinc Reagent #1, 2 oz |
| 1 x R-0840-I | Zinc Reagent #2, 10 g |
| 1 x R-0841-C | Zinc Reagent #3, 2 oz, DB |
| 1 x R-1003J-A | pH Indicator Solution, Phenol Red, .75 oz |

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.

Zinc Test

1. Rinse and fill 25 mL sample tube (#9198) to 25 mL mark with water to be tested.
2. Using 0.5 mL pipet (#4028) or 1.0 mL pipet (#4030), add 2 drops R-1003J pH Indicator Solution. If basic, sample will turn pink; if acidic, sample will turn yellow.
3. If sample turns pink, add R-0627S-10 Sulfuric Acid N/10 dropwise, swirling after each drop, until color just changes from pink to light yellow. Add 1 drop R-0628-10 Sodium Hydroxide N/10. Swirl to mix.

If sample turns yellow, add R-0628-10 Sodium Hydroxide N/10 dropwise, swirling after each drop, until color changes from yellow to light pink.

Instr. #5012

4. Using 1.0 mL pipet (#4030), add 1.0 mL R-0839 Zinc Reagent #1. Swirl to mix.
5. Add 1 dipper R-0840 Zinc Reagent #2. Swirl until dissolved. Sample will turn blue if zinc is present.
6. Add R-0841 Zinc Reagent #3 dropwise, swirling and counting after each drop, until color changes from blue to orange.
7. Multiply drops of R-0841 Zinc Reagent #3 by 0.5. Record as parts per million (ppm) zinc (Zn).



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