

DROP TEST

SODIUM NITRITE (1 drop = 100 ppm)

Instr. #5024

COMPONENTS:

1 x 5024	Instruction
1 x 9010	Pipet, Calibrated (0.5 & 1.0 mL) w/ red cap, plastic
1 x 9198R	Sample Tube, Graduated (25 mL) w/ cap & red dot, plastic
1 x R-0729-C-DB	Sulfuric Acid 50%*, 2 oz, DB
1 x R-0730-C	Permanganate Reagent, 2 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.

Sodium Nitrite Test

1. Rinse and fill 25 mL sample tube (#9198R) to 25 mL mark with water to be tested.
2. Add 25 drops R-0729 Sulfuric Acid 50%. Swirl to mix.

CAUTION: R-0729 Sulfuric Acid 50% is a corrosive acid. Handle carefully.

3. Using 1.0 mL pipet (#9010), add R-0730 Permanganate Reagent dropwise, swirling and counting after each drop, until sample changes from colorless to a faint but permanent pink (Fig. 1), which persists for at least 1 minute.

4. Multiply drops of R-0730 Permanganate Reagent by 100. Record as parts per million (ppm) sodium nitrite (NaNO_2).

NOTE: For results as nitrite (NO_2^-), multiply sodium nitrite (NaNO_2) concentration by 0.67.

*WARNING: Sulfuric Acid 50% (R-0729) contains 60-65% w/w sulfuric acid, a corrosive acid.



Fig. 1



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