

# 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, plastic w/red cap
1 x 9198R	Sample Tube, Graduated, 25 mL, plastic w/cap and red dot
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.**

1. Rinse and fill 25 mL sample tube (#9198R) to 25 mL mark with water to be tested (Fig. 1).
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 a 1.0 mL pipet (#9010), add R-0730 Permanganate Reagent dropwise, swirling and counting after each drop, until color changes from colorless to a faint but permanent pink (Fig. 2), which persists for at least 1 minute. Always hold pipet in vertical position.
4. Multiply drops of R-0730 Permanganate Reagent by 100. Record as parts per million (ppm) sodium nitrite.

**NOTE:** For results as nitrite, multiply sodium nitrite concentration by 0.67.

**\*WARNING:** Sulfuric Acid 50% (R-0729) contains 62% sulfuric acid (w/w), a corrosive acid.



**Fig. 1**



**Fig. 2**



31 Loveton Circle, Sparks, MD 21152 U.S.A.  
800-TEST KIT (837-8548) • 410-472-4340