

## DROP TEST SODIUM NITRITE (1 drop = 50 ppm)

**COMPONENTS:**

1 x 4026	Dipper Spoon, 2 g, plastic, white
1 x 4086	Stirring Rod, 5", plastic
1 x 5045	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-0733-C	Permanganate Reagent, 2 oz
1 x R-0781-II	Acid Sulfate, 50 g

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 pipets, **always** hold pipet 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. Using 2 g dipper spoon (#4026), add 1 dipper R-0781 Acid Sulfate. Stir with rod (#4086) to dissolve.
3. Using 1.0 mL pipet (#9010), add R-0733 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-0733 Permanganate Reagent by 50. Record as parts per million (ppm) sodium nitrite ( $\text{NaNO}_2$ ).

NOTE: For results as nitrite ( $\text{NO}_2^-$ ), multiply sodium nitrite ( $\text{NaNO}_2$ ) concentration by 0.67.



Fig. 1



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