

# Richard Hourigan, Inc.

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Responding to the needs of industry since 1973

## Instructions

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### Instruction Number: 5043

DROP TEST  
SODIUM NITRITE (1 drop = 100 ppm)

#### COMPONENTS:

1 x 4026	Dipper, plastic, large
1 x 4086	Stirring Rod, 5", plastic
1 x 5043	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-0730-C	Permanganate Reagent, 2 oz
1 x R-0781-II	Acid Sulfate, 50 g

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE  
877-7WATER6 (877-792-8376) or [email us](#) with your requirements.

#### 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.
2. Using the large dipper (#4026), add 1 dipper R-0781 Acid Sulfate. Stir with rod (#4086) to dissolve.
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, 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.