DROP SODIUM SULFITE (1	TEST drop = 2 or 10 ppm)	Instr. #5104
COMPONENTS: 1 x 5104 Instruction 1 x 9198W Sample Tube, Graduated (25 mL) w/ cap & white dot, plastic 1 x R-0638W-C Phenolphthalein Indicator, 2 oz w/ white cap, DB 1 x R-0638W-C Iodide Iodate Reagent, 2 oz, DB 1 x R-0725-I Acid Starch Indicator Powder, 10g 1 x R-0808-C Iodide Iodate Reagent, 2 oz, DB 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 Sulfite Test NOTE: NOTE: Sample must be cooled to less than 100°F (38°C) to prevent high test results. Sample must be protected from air contact while cooling to prevent low test results. For 1 drop = 2 ppm Sodium Sulfite 1. Collect water to be tested in a clean, preferably large-mouthed, bottle to overflowing. Immediately cap and cool to room temperature. 2. Rinse and fill 25 mL sample tube (#9198W) to 25 mL mark with cooled (room temperature) water to be tested. NOTE: For results in grains per gallon (gpg), fill to 14.6 mL mark. 3. Add 1 drop R-0638W Phenolphthalein Indicator. Swirl to mix. Sample will turn pink (Fig. 1). 4. Add R-0725 Acid Starch Indicator Powder a dipper at a time, swir	 NOTE: For 14.6 mL sample, multiply drops by 0.2. Record as grains per gallon (gpg) sodium sulfite (Na₂SO₃). NOTE: For results as sulfite (SO₃²), multiply sodium sulfite (Na₂SO₃) concentration by 0.64. NOTE: For results as sodium metabisulfite (Na₂S₂O₃), multiply sodium sulfite (Na₂SO₃) concentration by 0.754. For 1 drop = 10 ppm Sodium Sulfite Collect water to be tested in a clean, preferably large-mouthed, bottle to overflowing. Immediately cap and cool to room temperature. Rinse and fill 25 mL sample tube (#9198W) to 25 mL mark with cooled (room temperature) water to be tested. NOTE: For results in grains per gallon (gpg), fill to 14.6 mL mark. Add 1 drop R-0638W Phenolphthalein Indicator. Swirl to mix. Sample will turn pink (Fig. 1). Add R-0725 Acid Starch Indicator Powder a dipper at a time, swirling after each dipper, until color changes from pink to colorless. Add 2 more dippers. Swirl until dissolved. Add R-0699 Iodide Iodate Reagent dropwise, swirling and counting after each drop, until sample changes from colorless to a faint but permanent blue (Fig. 2). Multiply drops of R-0699 Iodide Iodate Reagent by 10. Record as parts per million (ppm) sodium sulfite (Na₂SO₃). NOTE: For results as sulfite (SO₃²), multiply sodium sulfite (Na₂SO₃). NOTE: For results as sulfite (SO₃²), multiply sodium sulfite (Na₂SO₃). NOTE: For results as sulfite (SO₃²), multiply sodium sulfite (Na₂SO₃). NOTE: For results as sodium metabisulfite (Na₂S₂O₅), multiply sodium sulfite (Na₂SO₃). NOTE: For results as sodium metabisulfite (Na₂S₂O₅), multiply sodium sulfite (Na₂SO₃). NOTE: For results as sodium metabisulfite (Na₂S₂O₅), multiply sodium sulfite (Na₂SO₃). NOTE: For results as sodium metabisulfite (Na₂S₂O₅), multiply sodium sulfite (Na₂SO₃). 	Fig. 1Fig. 2