- Fill the mixing bottle with the water sample to be tested to the top of the etched mark (25ml); the bottom of the curved surface or meniscus should be exactly level with the mark.
- 2. Add 6 drops of Phenolphthalein Indicator Solution and mix.
- b. If the water does not change to a **PINK** or **RED** color, add one scoop of Starch Acid/Sulfite Indicator Powder and swirl the vial to mix.
- If the water changes to PINK or RED color, add one, two or more scoops of Starch Acid/Sulfite Indicator Powder, swirl the vial to mix, until the PINK or RED color disappears.

Sample should be Clear in color.

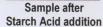
3. Add SO-3 Potassium lodide-lodate Titrating Solution, drop by drop, swirling the mixing bottle between each drop, counting the drops, until the water changes to a permanent **BLUE** color.

This is the endpoint.

(Care should be taken to hold the OptiDrop dispenser in a vertical position for accurate results.)

The Sulfite or "SO3" reading of the water, in ppm or (mg/L), is equal to the number of drops of SO-3 Potassium lodide-lodate Titrating Solution used times the factor shown on the bottle of titrant. (See examples.)







Blue-Black **Endpoint**

EXAMPLES:

10 drops x 2 = 20 ppm or (mg/L) "SO3". 10 drops x 5 = 50 ppm or (mg/L) "SO3".

10 drops x 10 = 100 ppm or (mg/L) "SO3".

#8447 Sulfite (SO3) Test Kit (1drop = 2,5 or 10 ppm/25ml)

MCI OptiDrop Test Procedure

#8447 Sulfite (SO3) Test Kit (1drop = 2.5 or 10 ppm/25ml)

Replacement	Reagents	&	Equipment for
#844	47 Sulfite	Te	st Kit

1-#R8441Q-2-5 or 10 ppm

SO-3 Potassium Iodide-Iodate Titrating Solution

1-#168-A Phenolphthalein Indicator Solution

1-#199-B Starch Acid/Sulfite Indicator Powder

1-#408- 1.0gm Plastic Scoop

1-#401-Scribed Test Bottle, 25ml Plastic

1-#8404- Plastic Test Kit Box w/Foam Insert

MCI OptiDrop Test Procedure

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Product Control Notes: