

**Sulfite Test Kit**  
**Model SU-5**  
**Cat. No. 1480-02**



**LOW RANGE TEST INSTRUCTIONS**

1. Fill the flask to the 100-mL mark with the water to be tested.
2. Tear open one Sulfite 1 Reagent Powder Pillow as shown in Figure 1. Add the contents of the pillow to the flask and swirl to mix.
3. Tear open one Sulfamic Acid Powder Pillow. Add the contents of this pillow to the flask and swirl to mix.
4. Add the Sulfite 3 Reagent drop by drop to the flask. Swirl the flask constantly and count each drop as it is added. Continue to add drops until a permanent gray-blue color appears.
5. Each drop of Sulfite 3 Reagent used to bring about the color change in Step 4 is equal to 1 mg/L sodium sulfite ( $\text{Na}_2\text{SO}_3$ ).
6. To express the results as mg/L sulfite ( $\text{SO}_3^{2-}$ ), multiply the answer obtained in Step 5 by 0.64.

***WARNING: The chemicals in this kit may be hazardous to the health and safety of the user if inappropriately handled. Please read all warnings before performing the test and use appropriate safety equipment.***

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## HIGH RANGE TEST INSTRUCTIONS

1. Fill the square mixing bottle to the 10-mL mark with the water to be tested.
2. Tear open one Sulfite 1 Reagent Powder Pillow as shown in Figure 1. Add the contents of the pillow to the bottle and swirl to mix.
3. Tear open one Sulfamic Acid Powder Pillow. Add the contents of this pillow to the bottle and swirl to mix.
4. Add the Sulfite 3 Reagent drop by drop to the bottle. Swirl the bottle constantly while adding the drops, and count each drop as it is added. Continue to add drops until a permanent gray-blue color appears.
5. Each drop of Sulfite 3 Reagent used to bring about the color change in Step 4 is equal to 10 mg/L sodium sulfite ( $\text{Na}_2\text{SO}_3$ ).
6. To express the results as mg/L sulfite ( $\text{SO}_3^{2-}$ ), multiply the answer obtained in Step 5 by 0.64.

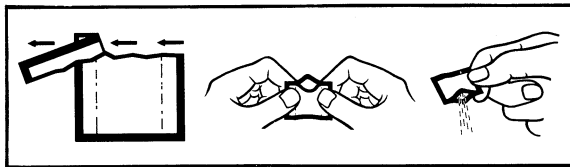


FIGURE 1

## REPLACEMENTS

<b>Cat. No.</b>	<b>Description</b>	<b>Unit</b>
2203-99	Sulfite 1 Reagent Powder Pillows .....	pk/100
705-37	Sulfite 3 Reagent .....	118 mL (4 oz) MDB*
1055-99	Sulfamic Acid Powder Pillows .....	pk/100
2327-06	Bottle, square, mixing .....	pk/6
936-00	Clippers .....	each
505-43	Erlenmeyer Flask .....	each

\*Marked dropping bottle

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