Sulfite Test Kit

SU-5 (148002)

DOC326.97.00116

Test preparation

CAUTION: ⚠ Review the Safety Data Sheets (MSDS/SDS) for the chemicals that are used. Use the recommended personal protective equipment.

- Hold the dropper vertically above the sample. Do not let the dropper touch the bottle during the titration.
- Rinse the measuring tube, bottle or flask with sample before each test. Rinse with deionized water after each test.
- To verify the test accuracy, use a standard solution as the sample.
- To record the test result as mg/L SO_3, multiply the mg/L Na_2SO_3 test result by 0.64.

Replacement items

NOTE: Product and Article numbers may vary for some selling regions. Contact the appropriate distributor or refer to the company website for contact information.

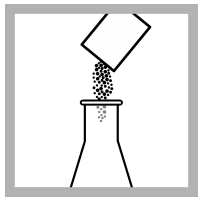
Description	Unit	Item no.
Sulfite 1 Reagent Powder Pillows	100/pkg	220399
Sulfamic Acid Powder Pillows	100/pkg	105599
Sulfite 3 Reagent	100 mL MDB	70532
Bottle, square, 29 mL, with 10, 15, 20 and 23-mL marks	6/pkg	232706
Flask, Erlenmeyer, 125 mL	each	50543

Optional items

Description	Unit	Item no.
Demineralizer bottle, 473-mL capacity	each	2184600
Sulfite standard solution (equivalent), 15 mg/L as SO_3 (23.4 mg/L as Na_2SO_3)	500 mL	2408449
Water, deionized	500 mL	27249

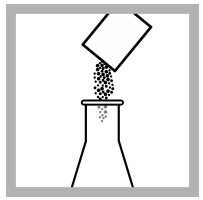
Test procedure—Sulfite (0–20 mg/L Na_2SO_3)

1. Fill the flask to the 100-mL mark with sample.



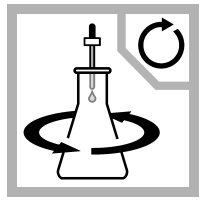
2. Add one Sulfite 1 Reagent Powder Pillow.

3. Swirl to mix.

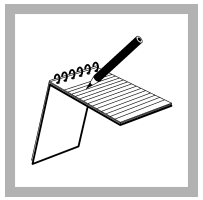


4. Add one Sulfamic Acid Reagent Powder Pillow.

5. Swirl to mix.



6. Add the Sulfite 3 Reagent by drops. Mix after each drop. Count the drops until the color changes to grey-blue.



7. Record the number of drops. The number of drops of the titrant solution is equal to the result in mg/L.

Test procedure—Sulfite (0–200 mg/L Na_2SO_3)

1. Fill the bottle to the 10-mL mark with sample.

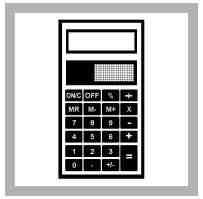
2. Add one Sulfite 1 Reagent Powder Pillow.

3. Turn the bottle left and right to mix.

4. Add one Sulfamic Acid Reagent Powder Pillow.

5. Turn the bottle left and right to mix.

6. Add the Sulfite 3 Reagent by drops. Mix after each drop. Count the drops until the color changes to grey-blue.



7. Multiply the total number of drops by 10 to get the result in mg/L.

