



## SULFITE KIT

DROP COUNT, 1 DROP = 2, 5, 10 mL

CODE 7132-01

| QUANTITY | CONTENTS                              | CODE     |
|----------|---------------------------------------|----------|
| 15 mL    | *Phenolphthalein Indicator, 0.5%      | *2258-E  |
| 10g      | *Starch Acid Indicator Powder         | *6385-D  |
| 60 mL    | Iodide Iodate                         | 2779WT-H |
| 1        | Test Tube, 5-10-25 mL, plastic, w/cap | 0715     |
| 1        | Spoon, 0.1g, plastic                  | 0699     |

\*WARNING: Reagents marked with an \* are considered to be potential health hazards. To view or print a Safety Data Sheet (SDS) for these reagents go to [www.lamotte.com](http://www.lamotte.com). Search for the four digit reagent code number listed on the reagent label, in the contents list or in the test procedures. Omit any letter that follows or precedes the four digit code number. For example, if the code is 4450WT-H, search 4450. To obtain a printed copy, contact LaMotte by email, phone or fax.

Emergency information for all LaMotte reagents is available from Chem-Tel: (US, 1-800-255-3924) (International, call collect, 813-248-0585)

To order individual reagents or test kit components, use the specified code number.

See next page for procedure.

## PROCEDURE

---

1. Rinse test tube (0715) with sample water. Fill with desired sample size selected from table.

| <b>SAMPLE<br/>SIZE</b> | <b>EQUIVALENCE<br/>[ppm Per Drop]</b> |
|------------------------|---------------------------------------|
| 25 mL                  | 1 drop = 2 ppm                        |
| 10 mL                  | 1 drop = 5 ppm                        |
| 5 mL                   | 1 drop = 10 ppm                       |

2. Add 1 drop of \*Phenolphthalein Indicator, 0.5% (2258). Swirl to mix. If pink, use the 0.1g spoon (0699) to add \*Starch Acid Indicator Powder (6385), one spoonful at a time, swirling after each spoonful, until pink color disappears. If solution is colorless, proceed to Step 3.
3. Use the 0.1g spoon (0699) to add 1 spoonful of \*Starch Acid Indicator Powder (6385). Swirl to mix.
4. While gently swirling tube, add Iodide Iodate (2779WT), one drop at a time, until solution turns blue. Count the number of drops added. Hold dropper bottle vertically.
5. Multiply number of drops used in Step 4 as follows:

**25 mL sample multiply by 2**

**10 mL sample multiply by 5**

**5 mL sample multiply by 10**

Record as ppm Sulfite ( $\text{SO}_3$ ).

NOTE: To convert to ppm Sodium Sulfite ( $\text{Na}_2\text{SO}_3$ ), multiply final result by 1.58.

### **LaMOTTE COMPANY**

Helping People Solve Analytical Challenges

PO Box 329 · Chestertown · Maryland · 21620 · USA  
800-344-3100 · 410-778-3100 [Outside U.S.A.] · Fax 410-778-6394

Visit us on the web at [www.lamotte.com](http://www.lamotte.com)