



Sulfite Test: Burette Titration Method

1. Rapidly cool boiler water sample to room temperature. Run test without delay. Do not filter sample.
2. Measure 25 mls of cool unfiltered sample into casserole.
3. Add two (2) ml (50 drops) of Hydrochloric Acid 1:1 SO_3 -1 Solution #269 to casserole.
4. Add one (1) ml of Starch Indicator SO_3 -2 Solution #270 to casserole.
5. While stirring slowly and gently, add Potassium Iodide-Iodate SO_3 -3 Solution #271 to casserole one drop at a time, until a blue-black color develops that holds in the sample. Multiply the number of ml used by 10 and record as parts per million (ppm) sulfite (SO_3).

Note: When using a 50 ml sample for low SO_3 readings, multiply ml of Potassium Iodide-Iodate SO_3 -3 Solution #271 used by 5.