



Sulfite Test: Dropwise Titration

1. Rapidly cool boiler water sample to room temperature. Run test without delay. Do not filter sample.
2. Measure 25 ml 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 #771 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 5 and record as parts per million (ppm) sulfite (SO_3).