

B. GENERAL TESTS

Sulfite Determination

The Sulfite Determination Test is designed to determine the quantity of sulfites from the quantity of iodine required to react with sulfites. In the test, sulfite and iodine are made react, the excess iodine is back-titrated with sodium thiosulfate, and the amount of iodine required for the reaction is calculated.

Procedure Unless otherwise specified, proceed as directed below.

Measure accurately the specified quantity of the sample, transfer it into a flask with a ground-glass stopper, containing 50 ml of 0.05 mol/l iodine solution exactly measured, and dissolve it. Stopper, allow to stand for 5 minutes, and add 2 ml of diluted hydrochloric acid (2 3). Then, titrate the excess iodine with 0.1 mol/l sodium thiosulfate solution (indicator: starch TS).