

Ascorbic Acid Test Kit

Model ASC-1

Cat. No. 23081-00



This kit is designed to determine ascorbic acid (Vitamin C) in juice-based beverages. Background color of the beverage may mask the end point, making it appear as only a bluish discoloration of the sample. For intensely colored samples, it will be helpful to prepare two samples in Step 1 and use one as a reference to judge the end point.

Other reducing species may interfere directly in this determination.

Procedure

1. Use the graduated tube to measure 10.0 mL of sample into a 125-mL erlenmeyer flask and add demineralized water to about the 50-mL mark.
2. Add approximately 1.0 mL of Sulfuric Acid, 5.25*N*, and one dropperful of Starch Indicator Solution to the flask. Swirl to mix.

Warning: The chemicals in this kit may be hazardous to the health and safety of the user if inappropriately handled. Please read all warnings before performing the test and use appropriate safety equipment.

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3. Add Ascorbic Acid Titrant drop-wise to a persistent blue-purple end point. Hold the dropper vertically while dispensing the titrant and mix after each drop. Each drop of titrant is equivalent to 10 mg/L of ascorbic acid.

REPLACEMENTS

Cat. No.	Description	Unit
23082-37	Ascorbic Acid Titrant	118 mL (4 oz) MDB*
2449-37	Sulfuric Acid Solution, 5.25N	118 mL (4 oz) MDB*
349-37	Starch Indicator Solution	118 mL (4 oz) MDB*
505-43	Erlenmeyer Flask, 125 mL	each
23083-06	Centrifuge Tube, 15 mL, polystyrene	pkg/6

*Marked Dropping Bottle

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