Overview The concentration of acetic acid in canned products was determined by the Orion 960 Titrator PLUS using first derivative technique and using 0.1 N sodium hydroxide as titrant.

Industry Food and Beverage

Species Measured Acetic Acid

Sample Canned Products

Sample Size 0.9g

Typical Concentration 2 % w/w

Technique # 6 First Derivative

Electrode Ross Sure-Flow Combination pH Electrode 8172BN

Solutions Electrode Fill Solution 810007. 0.1N NaOH.

Sample Prep Mix sample well and weigh 50g. Blend the sample with 500g of deionized water for 1 min. Weigh 10g of mixture to a 150 mL beaker. Add 50 mL DI water to the same beaker. Titrate.

Statistics

# of Trials 3 **Mean** 98% Acetic Acid w **%CV** 0.19%

Analysis Time 13.7

Comments Rinse the electrodes, stirrer, and dispenser probe between measurements with deionized water.