

**Overview** The concentration of acidity was determined by the known addition technique. Aliquots of acetic acid standard are added automatically to a sample containing an Orion pH electrode. The Orion Titrator PLUS calculates the sample concentration. This method is much faster than doing a full titration.

---

**Industry** Food and Beverage  
**Species Measured** Acidity  
**Sample** Mayonnaise  
**Sample Size** 5.0g  
**Typical Concentration**  
**Technique** # 2 Single Known Addition  
**Electrode** Sure Flow pH electrode 8165BN  
**Solutions** 0.5M acetic acid. Triton X-100 654302. Fill solution 810007  
**Sample Prep** Accurately weigh 5 g of sample and transfer to a 200 mL beaker. Add 5 mL of Triton X-100 and 100 mL of deionized water to the sample beaker. Blend the sample for 30 seconds and the sample is now ready to analyze.

### Statistics

**# of Trials** 3      **Mean** 0.38%w/w      **%CV** 1.33

**Analysis Time** 1.6minute(s)

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