



Overview The concentration of chloride was determined by the known addition technique. Aliquots of chloride standard are added automatically to a sample containing an Orion chloride electrode. The Orion Titrator PLUS calculates the sample concentration.

Market	Food and Beverage	Species Measured	Chloride
Sample	Mayonnaise	Sample Size	1.25g
Technique #	2 Single Known Addition	Typical Concentration	1.0-1.8%w/w
Solutions	Inner/Outer fill solution. 900002, 900003. ISA 94001. NaCl std 941706. Triton 654302		
Sample Prep	Blend 10 g of mayonnaise with 200 mL of deionized water in the juice blender (the proportions of mayo to water varies depending on the sample size you want). Accurately pipette 25 mL of the blended sample solution to a 150 mL beaker. Add 2 mL of ISA, 2 mL of Triton X-100 and 100 mL of deionized water to the sample solution and analyze the sample.		
Electrode	Chloride electrode 941700. Ref electrode 900200		

Statistics

of Trials 3 **Mean** 0.825%w/w **%CV** 1.39 **Analysis Time** 1.2minute(s)

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

Method Parameters

Sample Volume/Weight	1.3 g	Timed or Stability Readings	5.0 mV/min stability
Constant Increment		Number of Endpoints	
Max Titrant Volume	10.0 mL	Desired Units	% w/w
Molecular weight	35.45 g	Predose	
Prestir	1.0 second(s)	Additional Parameters	Total Solution Volume = 129.00 mL
Reaction Ratio	1.00		