



Thermo

ELECTRON CORPORATION

Potentiometric Titration Application Notes

Applications Log # 622

Overview

Industry	Pharmaceutical
Species Measured	Benzalkonium Chloride
Sample	Nasal Spray
Sample Size	10g
Typical Concentration	
Technique	# 7 Second Derivative
Electrode	Surfactant electrode 9342BN. D-J Ref ele
Solutions	Inner/Outer Fill solution 900002, 810007. 0.005M Na lauryl sulfate. Citrate buffer
Sample Prep	

Statistics

# of Trials	3	Mean	0.02065	%CV	< 2%
Analysis Time	8.1minute(s)				
Comments	Rinse the electrodes, stirrer, and dispenser probe between measurements with deionized water.				

Method Parameters

Sample Volume/Weight	Timed or Stability Readings
Constant Increment	Number of Endpoints
Max Titrant Volume	Desired Units
Molecular weight	Predose
Prestir	Additional Parameters
Reaction Ratio	1.00