



Thermo

ELECTRON CORPORATION

Potentiometric Titration Application Notes

Applications Log # 190

Overview

Industry	Chemical Industry
Species Measured	% Water
Sample	Methanol/ Water Solution
Sample Size	50mL
Typical Concentration	1% w/w
Technique	# 6 First Derivative
Electrode	Double Platinum 977900
Solutions	Karl Fischer Titrant
Sample Prep	Weigh syringe containing sample and add sample to vessel. Reweigh.

Statistics

# of Trials	5	Mean	1.13%w/w	%CV	0.65
Analysis Time	N/A				

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	Pre-dose
Prestir	Additional Parameters
Reaction Ratio	1.00