KYOTO ELECTRONICS MANUFACTURING CO.,LTD.

TIF-99349enL

Application Memo

Acidity and Salinity (2nd Method: Salinity)

Industry	Food & beverage
Instrument	Automatic potentiometric titrator
Measurement method	Combined titration
Standards	

1. Overview

The combined titration performs more than two kinds of titration on a sample at the same time. Here we used mixture of 2% citric acid and 5% NaCl and measured acidity by 1st method and salinity by 2nd method. Acidity was obtained by converting the endpoint titration volume of 0.1mol/L sodium hydroxide to citric acid while salinity was obtained by converting the titrated volume of 0.1mol/L silver nitrate to sodium chloride. For the parameters of 1st method, see No.TIF-99300.

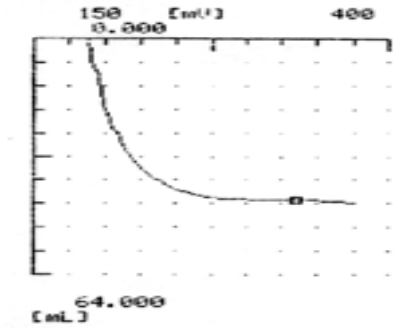
2. Apparatus

Main unit	Automatic potentiometric titrator
Electrode	Combined glass electrode Silver electrode Temperature compensation electrode

3. Reagents

Titrant	0.1mol/L sodium hydroxide 0.1mol/L silver nitrate
Reagent	3mol/L nitric acid

4. Example



—Titration curve—

—Measurement results—

	Sample size (mL)	Titer (mL)	Concentration (%)
1	5.0	43.8655	5.127
2	5.0	44.0647	5.150
3	5.0	43.9868	5.141
Average			5.140
SD			0.012
RSD(%)			0.23

Please feel free to contact us for any further information.

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