

Application Memo

Industry	Food & beverage
Instrument	Automatic potentiometric titrator
Measurement method	Precipitation titration
Standards	GB 5009.44, GB/T 12457

1. Overview

After adding nitric acid to the diluted sample, sodium chloride concentration is measured by titration with 0.1mol/L silver nitrate solution. The endpoint is the maximum inflexion on the titration curve. The sodium chloride concentration is calculated from the titration volume of the silver nitrate solution.

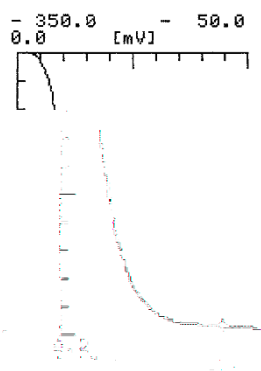
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	Silver electrode Mercury-sulfate reference electrode Temperature compensation electrode

3. Reagents

Titrant	0.1mol/L- AgNO_3
Solvent	Pure water
Additive	34% nitric acid

4. Example



Titration curve

Measurement results

	Sample (g)	Titer (mL)	Conc. (g/dL)
1	5.0	7.9806	9.330
2	5.0	7.9643	9.311
3	5.0	7.9683	9.315
Average			9.318
SD			0.010
RSD(%)			0.11

Please feel free to contact us for any further information.

Contact Kyoto Electronics Manufacturing Co., Ltd.

Overseas Sales & Marketing Sect.

京都电子工业株式会社 - 可睦电子(上海)商贸有限公司

电话: 021-54488867

电邮: kemu-kem@163.com

上海市徐汇区宜山路333号1201室

网址: <http://www.kem-china.com>