

Application Memo

Determination of Sodium Chloride in Plum Pickles Seasoning (Liquid)

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

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.

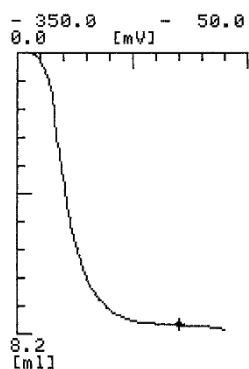
2. Apparatus

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.
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