

Application Memo

Measurement of Salt Content in Ponzu Soy Sauce

Industry	Food
Instrument	Automatic potentiometric titrator
Measurement method	Precipitation titration
Standards	

1. Overview

Salt concentration in the diluted sample is measured by titration with 0.1mol/L silver nitrate solution. The endpoint is the maximum inflexion on the titration curve. The salt concentration is calculated from the titration volume of the silver nitrate solution at the endpoint.

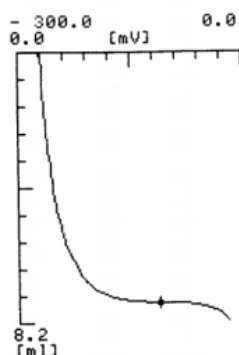
2. Apparatus

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

3. Reagents

Titrant	0.1 mol/L silver nitrate solution
Solvent	Pure water

4. Example



-Titration curve-

—Measurement results—

	Sample (mL)	Titration (mL)	Conc. (%)
1	5.0	7.6024	8.895
2	5.0	7.6239	8.920
3	5.0	7.6160	8.911
Average			8.909
SD			0.013
RSD(%)			0.14

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