

Application Memo

Acidity Measurement of Sweet Sake (Mirin)

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

1. Overview

Acetic acid concentration as acidity in the diluted sample is measured by titration with 0.5mol/L sodium hydroxide solution up to pH7.0. The acetic acid concentration is calculated from the titration volume of the sodium hydroxide solution at pH7.0.

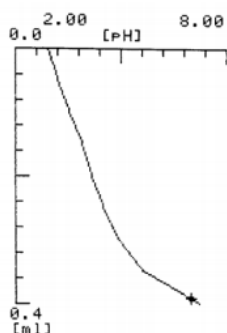
2. Apparatus

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

3. Reagents

Titrant	0.5 mol / L sodium hydroxide solution
Solvent	Pure water

4. Example



-Titration curve-

—Measurement results—

	Sample (mL)	Titration (mL)	Conc. (%)
1	5.0	0.3924	0.2354
2	5.0	0.3936	0.2361
3	5.0	0.3927	0.2356
Average			0.2357
SD			0.0003
RSD(%)			0.2

Please feel free to contact us for any further information.
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