

Application Memo

Acidity of Vinegar

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

1. Overview

Potentiometrically titrate a vinegar sample with 0.1ml/L sodium hydroxide up to pH8.2 and convert the titration volume to acetic acid.

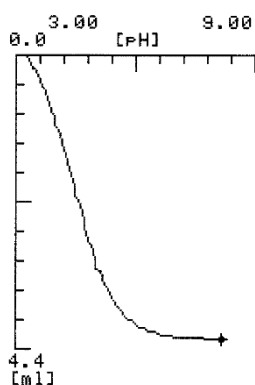
2. Apparatus

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

3. Reagents

Titrant	0.5mol/L NaOH
Solvent	Pure water

4. Example



—Titration curve—

—Measurement results—

	Sample (mL)	Titer (mL)	Conc. (%)
1	5.0	4.2845	2.571
2		4.2647	2.559
3		4.2698	2.562
Average			2.564
SD			0.006
RSD(%)			0.2

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