

Application Memo

Industry	Food & beverage
Instrument	Automatic potentiometric titrator
Measurement method	Neutralization titration
Standards	GB/T 4928

1. Overview

Dilute the sample after boiling and cool down. Lactic acid concentration in the sample is measured as acidity by titration with 0.1mol/L sodium hydroxide up to the pH8.2. The lactic acid concentration is calculated from the titration volume of the sodium hydroxide.

2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	Combined glass electrode Temperature compensation electrode

3. Reagents

Titrant	0.1 mol / L sodium hydroxide
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4. Example



—Titration curve—

—Measurement results—

	Sample size (mL)	Titer (mL)	Concentration (g/L)
1	25	6.6106	2.362
2	25	6.6027	2.360
3	25	6.5923	2.356
Average			2.359
SD			0.003
RSD(%)			0.1

Please feel free to contact us for any further information.
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