

## Application Memo

### Concentration of Malic Acid

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

#### 1. Overview

The diluted sample of the 2% malic acid solution is measured by titration with 0.1mol/L sodium hydroxide up to pH8.3. The malic acid concentration is calculated as acidity from the titration volume of sodium hydroxide.

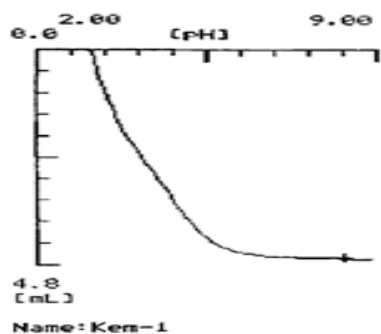
#### 2. Apparatus

Main unit	Automatic potentiometric titrator
Electrode	Combined glass electrode Temperature compensation electrode

#### 3. Reagents

Titrant	0.1mol/L sodium hydroxide
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#### 4. Example



—Measurement results—

	Sample size (g)	Titer (mL)	Concentration (w/w%)
1	1.555	4.6613	1.943
2	1.588	4.7872	1.954
3	1.551	4.6496	1.943
Average			1.947
SD			0.007
RSD(%)			0.3

—Titration curve—

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