

Application Memo

Concentration of Succinic Acid

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

1. Overview

In this memo, the concentration of the prepared 2w/w% succinic acid sample is tested. The diluted sample is titrated with 0.1mol/L sodium hydroxide up to pH8.3. The succinic acid concentration is calculated from the titration volume of sodium hydroxide.

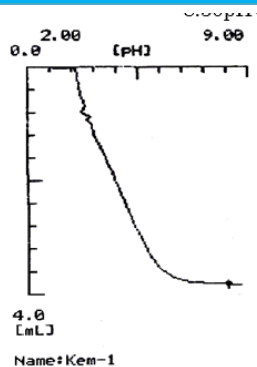
2. Apparatus

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

3. Reagents

Titrant	0.1mol/L sodium hydroxide (f=0.9762)
Additive	Pure water

4. Example



—Titration curve—

—Measurement results—			
	Sample (g)	Titer (mL)	Concentration (w/w%)
1	1.108	3.8372	1.9725
2	1.399	4.8518	1.9799
3	1.428	4.9703	1.9875
Average			1.9800
SD			0.0075
RSD(%)			0.38

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< Contact > Kyoto Electronics Manufacturing Co., Ltd.

Overseas Sales & Marketing Sect.

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