

Application Memo

Acidity of Gochujang (Korean Red Chili Paste)

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

1. Overview

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

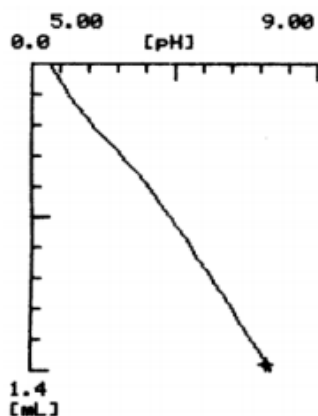
2. Apparatus

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

3. Reagents

Titrant	0.1mol/L sodium hydroxide
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4. Example



-Titration curve-

-Measurement results-

	Sample (g)	Titer (mL)	Concentration (mg/g)
1	1.1139	1.3762	7.4796
2	1.1645	1.4429	7.5014
3	1.1212	1.3919	7.5157
Average			7.4989
SD			0.0182
RSD(%)			0.242

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