

## Application Memo

# Acidity of Apple Vinegar

Industry	Seasoning
Instrument	Automatic potentiometric titrator
Measurement method	Acid-base titration
Standards	ISO750

## 1. Overview

Determination of acidity of apple vinegar is popularly practiced by potentiometric acid-base titration using a glass electrode. After pure water is added, titrate with 0.5mol/L sodium hydroxide up to pH8.3, and the titration volume is converted to acidity (acetic acid) by calculation.

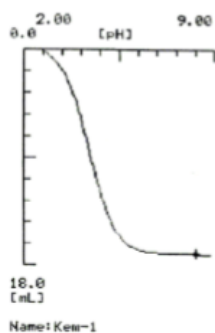
## 2. Apparatus

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

## 3. Reagents

Titrant	0.5mol/L sodium hydroxide
Solvent	Pure water

## 4. Example



—Titration curve—

—Measurement results—			
	Sample (mL)	Titer (mL)	Acidity (w/v%)
1	10.00	17.1518	5.019
2	10.00	17.1726	5.025
3	10.00	17.1270	5.012
Average			5.018
SD			0.007
RSD(%)			0.1

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