

## Application Memo

# Acid Value of Extracted Oil from Meat

Industry	Fat and oil
Instrument	Automatic potentiometric titrator
Measurement method	Acid base titration
Standards	

## 1. Overview

After adding mixture of ethyl ether and ethanol to the sample to solve it, acid value is measured by titration with 0.1mol/L potassium hydroxide solution. The endpoint is the maximum inflexion on the titration curve. The acid value is calculated from the titration volume of the potassium hydroxide solution.

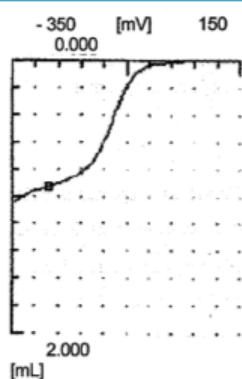
## 2. Apparatus

Main unit	Automatic potentiometric titrator
Electrode	pH glass electrode Double junction reference electrode Temperature compensation electrode

## 3. Reagents

Titrant	0.1mol/L potassium hydroxide solution (alcoholic)
Solvent	Ethyl ether + ethanol (1+1)

## 4. Example



—Titration curve—

—Measurement results—			
	Sample (g)	Titer (mL)	Acid value (mg/g)
1	9.2112	0.9289	0.5351

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