

## Application Memo

# Acidity of Methoxypropyl Acetate

Industry	Organic chemical industry
Instrument	Automatic potentiometric titrator
Measurement method	Acid-base titration
Standards	

## 1. Overview

The acidity of methoxypropyl acetate (propylene glycol mono methyl ether acetate) is measured by titration with 0.1mol/L potassium hydroxide + ethanol solution. The endpoint is determined by the maximum inflexion point on the titration curve. The acidity is calculated from the titration volume of potassium hydroxide.

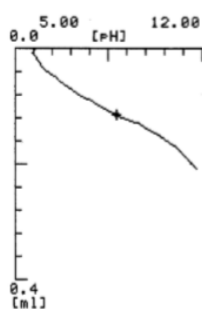
## 2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	pH glass electrode Double junction reference electrode Temperature compensation electrode

## 3. Reagents

Titrant	0.1mol/L potassium hydroxide + ethanol solution
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## 4. Example



—Titration curve—

—Measurement results—

	Sample (g)	Titer (mL)	Acidity (mg/g)
1	77.52	0.1163	0.00844
2	77.52	0.1057	0.00767
3	77.52	0.1094	0.00794
Average			0.00802
SD			0.00039
RSD(%)			4.9

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