

## Application Memo

# Determination of Total Sulfuric Acid Concentration in Electrolyte

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

## 1. Overview

Total sulfuric acid concentration is measured by titration with 1mol/L sodium hydroxide solution up to pH8.1. The total sulfuric acid concentration is calculated from the titration volume of the sodium hydroxide solution.

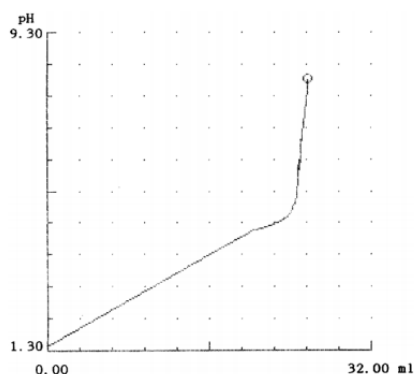
## 2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	pH glass electrode Ceramic reference electrode

## 3. Reagents

Titrant	1mol/L sodium hydroxide solution
Solvent	Pure water

## 4. Example



-Titration curve-

-Measurement results-

	Sample (g)	Conc. (g/L)
1	5	253.5
2	5	255.8
3	5	256.8
Average		255.4
SD		1.7
RSD(%)		0.67

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<Contact> Kyoto Electronics Manufacturing Co., Ltd.

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