

## Application Memo

# Hydrochloric Acid in Film Cleaning Liquid

Industry	Plastic, Rubber
Instrument	Automatic potentiometric titrator
Measurement method	Acid-base titration
Standards	

## 1. Overview

Hydrochloric acid is measured by titration with 1mol/L sodium hydroxide up to the endpoint after the sample is added with pure water. The endpoint is the maximum inflexion on the titration curve. Hydrochloric acid concentration is calculated from the titration volume of sodium hydroxide.

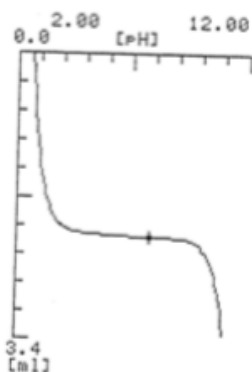
## 2. Apparatus

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

## 3. Reagents

Titrant	1 mol/L sodium hydroxide
Solvent	Pure water

## 4. Example



—Titration curve—

—Measurement results—		
Sample (mL)	Titer (mL)	HCl (%)
1	5.0	2.1878
		1.602

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