

Application Memo

Acetic Acid of Etching Solution

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

1. Overview

Acetic acid in etchant is measured by titration with 0.5mol/L sodium hydroxide after the sample is added with pure water. Titration goes up to the endpoint which is the maximum inflexion on the titration curve.

The acetic acid concentration is calculated from the titration volume of sodium hydroxide.

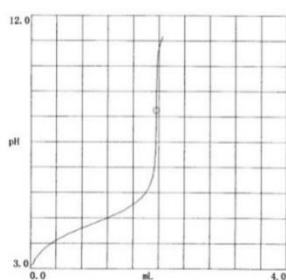
2. Apparatus

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

3. Reagents

Titrant	0.5 mol/L sodium hydroxide solution
Solvent	Pure water

4. Example



—Titration curve—

—Measurement results—

	Sample (g)	Titer (mL)	Acetic acid (%)
1	1.0125	1.9573	5.799
2	1.0010	1.9380	5.808
3	1.0120	1.9596	5.809
Average			5.801
SD			0.005
RSD (%)			0.09

Please feel free to contact us for any further information.
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