

Application Memo

Hydrochloric Acid in Etchant

Industry	Inorganic chemical industry
Instrument	Automatic potentiometric titrator
Measurement method	GB/T 622

1. Overview

The diluted sample is titrated with the 1mol/L sodium hydroxide. The endpoint is the maximum inflexion on the titration curve. The hydrochloric acid concentration is calculated from the titration volume of the sodium hydroxide solution.

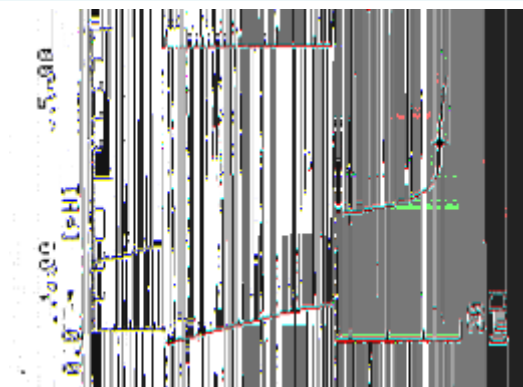
2. Apparatus

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

3. Reagents

Titrant	1mol/L sodium hydroxide solution
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4. Example



-Titration curve-

-Measurement results-

	Sample (g)	Titer (mL)	Concentration (%)
1	3.0007	19.0306	23.148
2	3.0190	19.0485	23.030
3	3.0077	19.0506	23.119
Average			23.099
SD			0.062
RSD(%)			0.27

Please feel free to contact us for any further information.

Contact Kyoto Electronics Manufacturing Co., Ltd.
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