

Application Memo

Hydrochloric Acid in Acidic Cleaning Agent

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

The diluted sample is titrated with 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.

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

Titrant 1mol/L sodium hydroxide solution

-Measurement results-			
	Sample (mL)	Titer (mL)	Concentration (%)
1	2.0	1.4099	2.57
2	2.0	1.4332	2.62
3	2.0	1.4191	2.59
Average SD	2.59		

-Titration curve-