KYOTO ELECTRONICS MANUFACTURING CO.,LTD.

TIQ-97001enL

Application Memo

Sodium Hypochlorite Concentration

Industry	Inorganic chemical industry
Instrument	Automatic potentiometric titrator
Measurement method	Redox titration

1.Overview

After adding potassium iodide and 1mol/L sulfuric acid to the sample solution, sodium hypochlorite concentration is measured by titration with the 0.1mol/L sodium thiosulfate solution. The endpoint is the maximum inflexion on the titration curve. The sodium hypochlorite concentration is calculated from the titration volume of sodium thiosulfate.

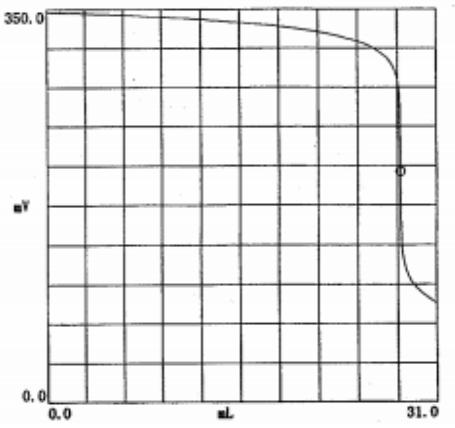
2.Apparatus

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

3.Reagents

Titrant	0.1mol/L sodium thiosulfate solution
Additive	Potassium iodide, 1mol/L sulfuric acid

4.Example



-Titration curve-

-Measurement results-

Average (%)	1.0113
SD (%)	0.0146
RSD(%)	1.44

Please feel free to contact us for any further information.

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