

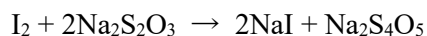
Application Memo

Concentration of Iodine Solution

Industry	Inorganic chemical
Instrument	Automatic potentiometric titrator
Measurement method	Redox titration
Standards	ISO 6353-3

1. Overview

The test sample of 0.05mol/L iodine solution is measured according to ISO 6353-3:1987 Reagents for chemical analysis -- Part 3: Specifications -- Second series. The concentration of iodine solution is measured by titration with 0.1mol/L sodium thiosulfate up to the endpoint. The endpoint is the maximum inflexion on the titration curve.



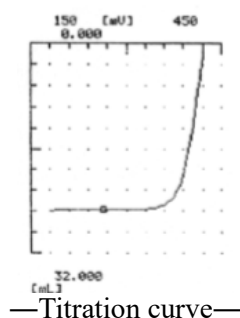
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	Combined platinum electrode

3. Reagents

Titrant	0.1mol/L sodium thiosulfate
Solvent	Pure water

4. Example



—Measurement results—

	Sample (mL)	Titer (mL)	Iodine (mol/L)
1	25.0	25.3645	0.0507
2	25.0	25.2780	0.0506
3	25.0	25.3026	0.0506
Average			0.0506
SD			0.0001
RSD(%)			0.1

Please feel free to contact us for any further information.

<Contact> Kyoto Electronics Manufacturing Co., Ltd.
Overseas Sales & Marketing Sect.
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