

Application Memo

Factor of Indophenol Solution

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

1. Overview

Titrate known concentration L-ascorbic acid as a sample with indophenol solution. The factor of indophenol is calculated proportionately from the titration volume up to the endpoint.

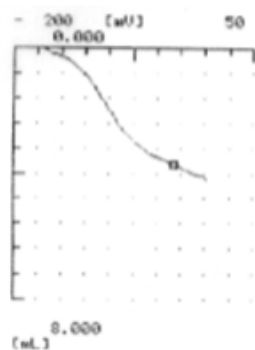
2. Apparatus

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

3. Reagents

Reagent	Indophenol solution (0.3948g of 2,6-dichlorophenol indophenol dissolved in 1000mL pure water)
Reference	L-ascorbic acid

4. Example



—Titration curve—

—Measurement results—			
	Sample (g)	Titer (mL)	Factor
1	0.0203	3.7384	0.2715
2	0.0203	3.7280	0.2723
3	0.0203	3.7600	0.2699
Average			0.2712
SD			0.0012
RSD(%)			0.45

Please feel free to contact us for any further information.
 <Contact> Kyoto Electronics Manufacturing Co., Ltd.
 Overseas Sales & Marketing Sect.
<http://www.kyoto-kem.com/en/contact/form.php>