

Application Memo

Chlorine Ion in Antistatic Agent

Industry	Organic Chemical industry
Instrument	Automatic potentiometric titrator
Measurement method	Precipitation titration
Standards	

1. Overview

Test sample dissolved in solvent is titrated with the silver nitrate solution. The endpoint is determined by the inflexion point on the titration curve. Chlorine ion in the antistatic agent is calculated from the titration volume.

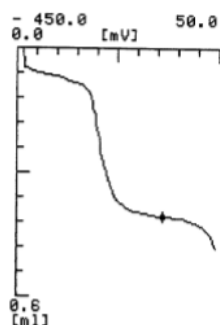
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	Silver electrode Mercury sulfate reference electrode

3. Reagents

Titrant	0.1mol/L silver nitrate solution
Solvent	Methanol

4. Example



—Titration curve—

—Measurement results—			
	Sample (g)	Titer (mL)	Chlorine ion (ppm)
1	10.3030	0.4107	141.51
2	10.0275	0.4016	142.18
3	10.1169	0.3992	140.08
Average			141.26
SD			1.07
RSD(%)			0.759

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>