

Application Memo

Determination of Cationic Surfactant

Industry	Cosmetics soap
Instrument	Automatic potentiometric titrator
Measurement method	Flow potential detection Ionic aggregation titration
Standards	

1. Overview

A sample of pretreated aqueous solution was titrated with sodium dodecyl benzene sulfonate standard solution to obtain the concentration of cationic (cationic) surfactant. A flow potential detection unit was used, and the inflection point of the titration curve was set as the endpoint.

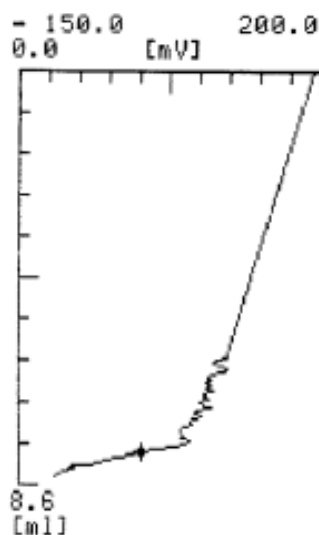
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Detector	Flow potential detection unit

3. Reagent

Titrant	0.004mol/L Dodecyl benzene sulfonate standard solution
Solvent	Water

4. Exmple



— Titration curve —

— Measurement result —			
	Sample (mL)	Titer (mL)	Conc. (%)
1	10.0	7.9540	79.40
2	10.0	7.9847	79.71
3	10.0	7.9992	79.85
Average			79.66
SD			0.23
RSD(%)			0.29

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>