

## Application Memo

# Bromine Number of Naphtho Alkylbenzene

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

## 1. Overview

After adding the solvent to the sample, bromine number is measured by titration with the titrant. The endpoint is the maximum inflexion on the titration curve. The bromine number is calculated from the titration volume of the titrant.

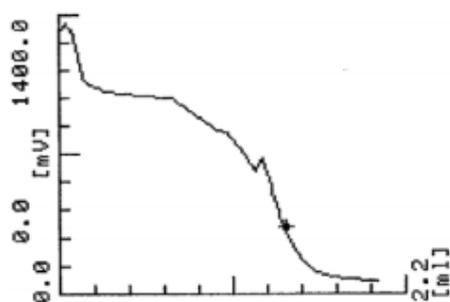
## 2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier POT)
Electrode	Twin platinum electrode

## 3. Reagents

Titrant	0.01mol/L (0.02N) potassium bromide and potassium bromate solution
Solvent	Mixture of 714mL acetic acid, 134mL toluene, 134mL methanol, 18mL (1+5) sulfuric acid

## 4. Example



-Titration curve-

-Measurement results-

	Sample (g)	Titer (mL)	Bromine number (g/100g)
1	42.4886	1.4928	0.00561
2	42.4725	1.4792	0.00557
3	42.4404	1.4399	0.00542
Average			0.00553
SD			0.00010
RSD(%)			1.8

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>