

## Application Memo

### Acid Value of Cosmetics

Industry	Cosmetics & soap
Instrument	Automatic potentiometric titrator
Measurement method	Acid base titration
Standards	

#### 1. Overview

After adding mixture of ethanol, 2-propanol and methanol to the sample, acid value is measured by titration with 0.1mol/L potassium hydroxide solution. The endpoint is the maximum inflexion on the titration curve. The acid value is calculated from the titration volume of the potassium hydroxide solution.

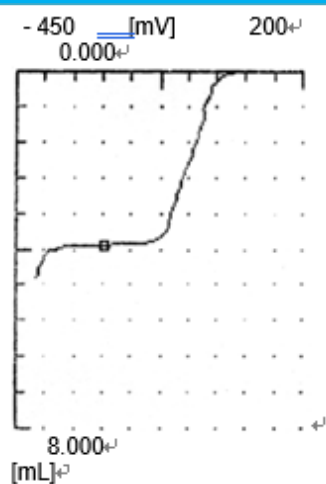
#### 2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	pH glass electrode Double junction electrode Temperature compensation electrode

#### 3. Reagents

Titrant	0.5mol/L potassium hydroxide solution
Solvent	Ethanol + 2-propanol + Methanol (855 + 134 + 11)

#### 4. Example



—Titration curve—

—Measurement results—

	Sample size (g)	Titer (mL)	Acid value (mg/g)
1	0.5004	3.9058	219.60
2	0.5008	3.9117	219.76
Average			219.68

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>

