

## Application Memo

# Sodium Sulfate in Surfactant

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

### 1. Overview

Sodium sulfate in surfactant is measured by titration with 0.005mol/L barium acetate after adding mixture of 2-propanol and water to the test sample. The endpoint is determined from intersection point of the conductivity line and the titration curve. The concentration of sodium sulfate is calculated from the titration volume of barium acetate.

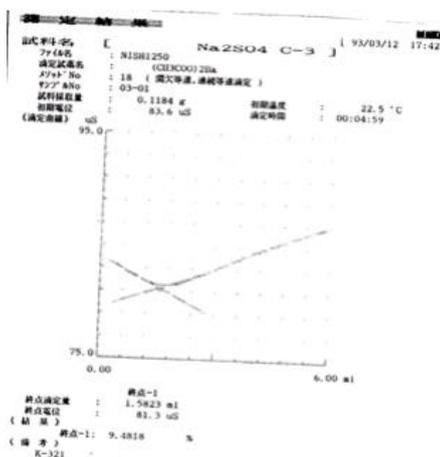
### 2. Apparatus

Main unit Automatic potentiometric titrator (preamplifier CMT)  
 Electrode Conductivity cell

### 3. Reagents

Titrant 0.005mol/L(0.01N) barium acetate  
 Solvent Pure water, 2-propanol

### 4. Example



-Measurement results-

	Sample (g)	Titer (mL)	Conc. (%)
1	1.1840	1.5823	0.94818

-Titration curve-

Please feel free to contact us for any further information.  
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