

Application Memo

Chloride in Soap

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

1. Overview

The chloride (converted to NaCl) in soap is measured by titration with the 0.1mol/L silver nitrate solution after methanol is added to the test sample. The endpoint is determined by the inflexion point on the titration curve. Chloride concentration is calculated from the titration volume of silver nitrate.

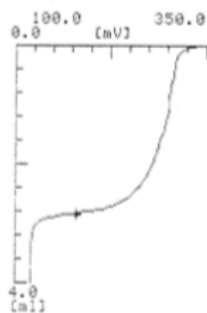
2. Apparatus

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 (mL)	Titer (mL)	Chloride concentration (%)
1	3.2139	2.8540	0.52171

Please feel free to contact us for any further information.
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