

## Application Memo

# Measurement of High Concentration Sodium Chloride Solution

Industry	Inorganic chemical industry
Instrument	Automatic potentiometric titrator
Measurement method	Precipitation titration
Standards	

## 1. Overview

Using the prepared 10 w/w% NaCl as a sample, titration was performed with 0.1 mol/L silver nitrate, and the maximum inflection point in the potentiometric titration method was defined as the end point. Then, the concentration was determined by converting the titer of 0.1 mol/L silver nitrate up to the end point into sodium chloride.

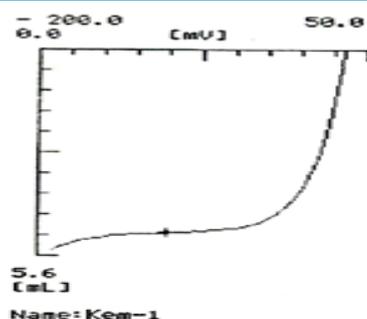
## 2. Apparatus

Main unit	Automatic potentiometric titrator
Electrode	Combined silver electrode

## 3. Reagents

Titrant	0.1 mol L silver nitrate
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## 4. Example



—Titration curve—

—Measurement results—

	Sample size (g)	Titer (mL)	Concentration (w/w%)
1	0.2921	5.0105	10.01
2	0.2881	4.9379	9.999
3	0.2864	4.9394	10.06
Average			10.02
SD			0.03
RSD(%)			0.3

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