

## Application Memo

# Sodium Chloride in Dyestuff

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

## 1. Overview

Sodium chloride (NaCl) in dyestuff is measured by titration with 0.1mol/L silver nitrate solution after the sample is well dissolved in pure water.

NaCl concentration is obtained from the titration volume of silver nitrate where the maximum inflexion on the titration curve is determined as the endpoint.

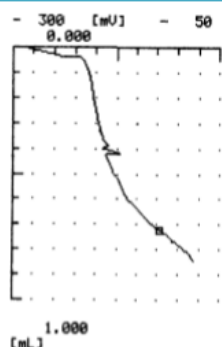
## 2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	Silver electrode Mercury sulfate reference electrode (Internal solution: Saturated potassium sulfate)

## 3. Reagents

Titrant	0.1mol/L silver nitrate
Solvent	Pure water

## 4. Example



—Titration curve—

—Measurement results—

	Sample (g)	Titer (mL)	NaCl (%)
1	0.5052	0.7243	0.8437
2	0.5084	0.7462	0.8638
3	0.5037	0.7486	0.8746
Average			0.8607
SD			0.0157
RSD(%)			1.82

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