

Application Memo

Free Alkali in Sodium Carbamate

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

1. Overview

Free alkali in the diluted sample is measured by titration with 0.1mol/L hydrochloric acid. The endpoint is the preset potential on the titration curve. The free alkali concentration is calculated from the titration volume of the hydrochloric acid.

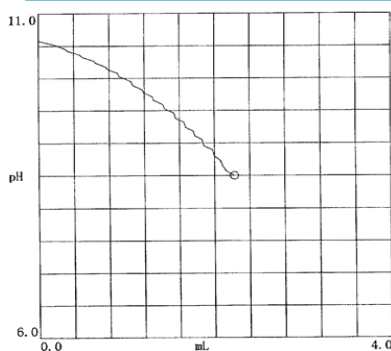
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	pH glass electrode Ceramic reference electrode Temperature compensation electrode

3. Reagents

Titrant	0.1mol/L hydrochloric acid
Solvent	Water

4. Example



—Titration curve—

—Measurement results—

	Sample size (g)	Titer (mL)	Concentration (%)
1	0.4192	2.2292	2.127
2	0.4318	2.2934	2.125
Average			2.126

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