KYOTO ELECTRONICS MANUFACTURING CO.,LTD.

TIZ-99262enL

Application Memo

Factor of Sodium Hydroxide

Industry	Inorganic chemical
Instrument	Automatic potentiometric titrator
Measurement method	Acid-base titration
Standards	JIS K8001, ISO 6353-1

1. Overview

Factor measurement of 0.1mol/L sodium hydroxide solution is specified by JIS K8001-1998 General Test Method for Reagent.
Titrate amide sulfate as a reference substance for volumetric analysis with 0.1mol/L sodium hydroxide up to the endpoint, which is the maximum inflexion on the titration curve.
The factor of 0.1mol/L sodium hydroxide is calculated from the titration volume of sodium hydroxide.

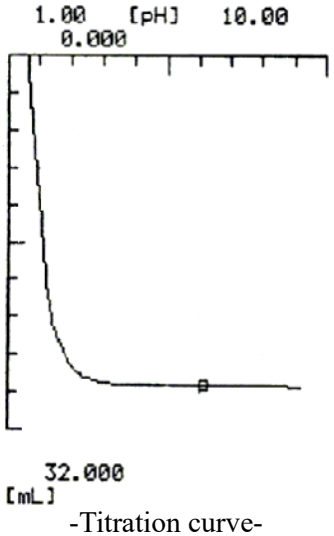
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	Combined glass electrode Temperature compensation electrode

3. Reagents

Titrant	0.1mol/L sodium hydroxide solution
Reference	Amide sulfate

4. Example



-Titration curve-

-Measurement results-

	Sample (g)	Titer (mL)	Factor
1	0.2635	28.2117	0.9524
2	0.2681	28.7379	0.9513
3	0.2771	29.5733	0.9554
Average			0.9530
SD			0.0021
RSD(%)			0.22

Please feel free to contact us for any further information.

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