

Application Memo

Equivalence of Diamine

Industry	Inorganic chemical industry
Instrument	Automatic potentiometric titrator
Measurement method	Acid-base titration
Standards	

1. Overview

After the test sample is dissolved in methyl ethyl ketone [MEK], diamine is measured by titration with 0.1mol/L acetic acid perchlorate up to the endpoint. The equivalent point of diamine is calculated from the titration volume of acetic acid perchlorate.

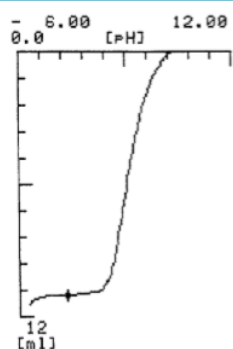
2. Apparatus

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

3. Reagents

Titrant	0.1mol/L acetic acid perchlorate
Solvent	Methyl ethyl ketone [MEK](2-butanone)

4. Example



—Titration curve—

—Measurement results—

	Sample (g)	Titer (mL)	Diamine
1	0.5162	11.0479	467.2
2	0.5011	10.7183	467.5
3	0.5094	10.9098	466.9
Average			467.2
SD			0.3
RSD(%)			0.06

Please feel free to contact us for any further information.
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