

Application Memo

Sulfonic Acid in Soldering Solution

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

1. Overview

Sulfonic acid in soldering solution is measured by titration with 1mol/L sodium hydroxide after adding pure water and potassium oxalate to the sample. The endpoint is the maximum inflexion on the titration curve. The sulfonic acid concentration is calculated from the titration volume of sodium hydroxide.

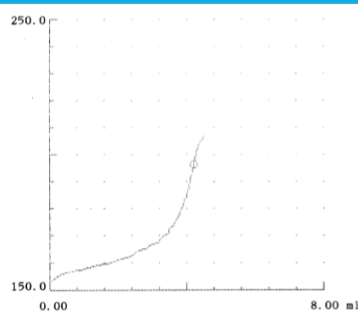
2. Apparatus

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

3. Reagents

Titrant	1mol/L sodium hydroxide solution
Solvent	water (ion exchanged or distilled water)
Additive	Potassium oxalate

4. Example



—Titration curve—

—Measurement results—

	Sample (g)	Titer (mL)	Sulfonic acid (g/L)
1	5.0	4.2278	119.0

Please feel free to contact us for any further information.
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