KYOTO ELECTRONICS MANUFACTURING CO.,LTD.

TIQ-99331enL

Application Memo

Purity of Salicylic Acid

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

1. Overview

Purity of salicylic acid is determined as follows. After ethanol and pure water without containing carbon dioxide to the test sample, titrate with 0.1mol/L sodium hydroxide up to the endpoint, which is the maximum inflexion on the titration curve. The purity of salicylic acid is calculated from the titration volume of sodium hydroxide.

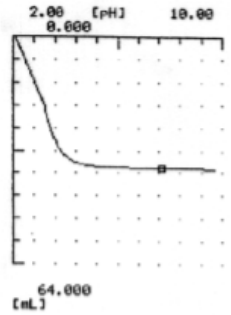
2. Apparatus

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

3. Reagents

Titrant	0.1mol/L sodium hydroxide
Solvent	Pure water
Additive	Ethanol

4. Example



—Titration curve—

—Measurement results—

	Sample (g)	Titer (mL)	Salicylic acid (%)
1	0.5124	37.0179	98.76
2	0.4989	36.1043	98.93
3	0.4890	35.3950	98.95
Average			98.88
SD			0.10
RSD(%)			0.11

Please feel free to contact us for any further information.

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