

Application Memo

Acidity of Pickled Plum

Industry	Food
Instrument	Automatic potentiometric titrator
Measurement method	Acid-base titration
Standards	

1. Overview

After adding pure water to the pickled plum and homogenizing, filter and get the sample liquid. Citric acid in the diluted sample liquid is measured by titration with 0.1mol/L sodium hydroxide up to pH8.3. The citric acid concentration is calculated as acidity of the pickled plum from the titration volume of sodium hydroxide.

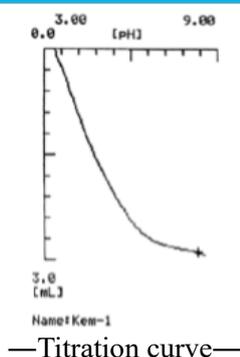
2. Apparatus

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

3. Reagents

Titrant	0.1mol/L sodium hydroxide
Additive	Pure water

4. Example



—Measurement results—

	Sample (g)	Titer (mL)	Concentration (w/w%)
1	0.5055	2.8954	3.605
2	0.5055	2.8726	3.576
3	0.5055	2.8861	3.593
Average			3.591
SD			0.015
RSD(%)			0.40

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