

Application Memo

Acidity of citric acid in plum pickles seasoning (liquid).

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

1. Overview

The applicability of measuring acidity of citric acid in plum pickles seasoning (liquid) by automatic potentiometric titrator was investigated. Good results were obtained reproducibly.

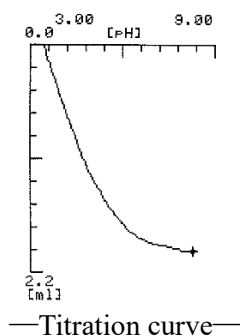
2. Apparatus

| | |
|-----------|---|
| Main unit | Automatic potentiometric titrator (preamplifier STD) |
| Electrode | pH Glass electrode Mercury-sulfate reference electrode Temperature compensation electrode |

3. Reagents

| | |
|---------|---------------|
| Titrant | 0.1mol/L-NaOH |
| Solvent | Pure water |

4. Example



—Measurement results—

| | Sample (g) | Titer (mL) | Conc. (%) |
|---------|------------|------------|-----------|
| 1 | 5.0 | 2.0149 | 2.8209 |
| 2 | 5.0 | 2.0211 | 2.8296 |
| 3 | 5.0 | 2.0198 | 2.8277 |
| Average | | | 2.8261 |
| SD | | | 0.00457 |
| RSD(%) | | | 0.1619 |

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