Application Memo

Acid Number of Fragrance

Industry	Cosmetics & soap
Instrument	Automatic potentiometric titrator
Measurement method	Acid-base titration
Standards	

1. Overview

The acid number of fragrance is measured by titration with 0.1mol/L potassium hydroxide + ethanol solution after adding toluene and ethanol to the sample. The endpoint is determined by the maximum inflexion point on the titration curve.
The acid number is calculated from the titration volume of potassium hydroxide.

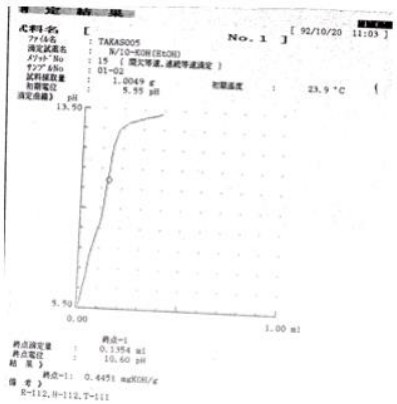
2. Apparatus

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

3. Reagents

Titrant	0.lmo1/L potassium hydroxide + ethanol solution
Solvent	Toluene, Ethanol

4. Example



-Titration curve-

-Measurement results-

	Sample (g)	Titer (mL)	Acid number (mg/g)
1	1.0049	0.1354	0.4451

Please feel free to contact us for any further information.

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