

Application Memo

Neutralization Number of Paraffin Wax Oxide

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

1. Overview

Neutralization number of paraffin wax oxide is measured as follows:

After adding the solvent (mixture of toluene and 2-propanol) to the sample and warming, titrate potentiometrically with 0.1mol/L potassium hydroxide + ethanol.

Determine the endpoint from the color change of the indicator.

The neutralization number of paraffin wax oxide is calculated from the titration volume of potassium hydroxide.

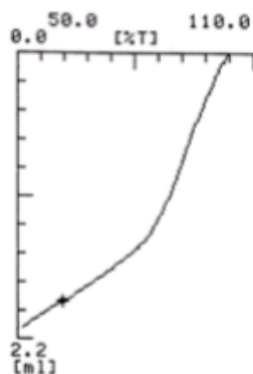
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier PTA)
Electrode	Photometric sensor Interference filter (530nm)

3. Reagents

Titrant	0.1mol/L potassium hydroxide + ethanol (f = 1.00)
Solvent	Toluene, 2-propanol

4. Example



—Titration curve—

—Measurement results—

	Sample (g)	Titer (mL)	Neutralization number (mg/g)
1	0.3039	1.9213	35.474

Please feel free to contact us for any further information.

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