

## Application Memo

# Flavoxate Hydrochloride

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

## 1. Overview

Flavoxate Hydrochloride is measured by titration with 0.1mol/L perchloric acid + acetic acid after dissolving the sample in glacial acetic acid and acetonitrile and adding acetic anhydride. The endpoint is determined by the inflexion point on the titration curve. The concentration is calculated from the titration volume of perchloric acid + acetic acid.

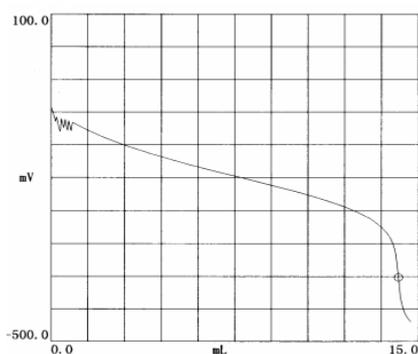
## 2. Apparatus

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

## 3. Reagents

Titrant	0.1mol/L perchloric acid + acetic acid
Solvent	Glacial acetic acid, Acetonitrile, Acetic acid anhydride

## 4. Example



-Measurement results-			
	Sample (g)	Titer (mL)	Conc. (%)
1	0.6090	14.2195	100.5
2	0.6011	14.0472	100.5
3	0.6068	14.1892	100.6
Average			100.5
SD			0.07
RSD(%)			0.07

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