

## Application Memo

# Salinity of Pickled Plums

Industry	Food & beverage
Instrument	Automatic potentiometric titrator
Measurement method	Precipitation titration
Standards	

## 1. Overview

After adding pure water to the mashed sample, it is stirred. Nitric acid is added to the filtered sample liquid, it is titrated with 0.1mol/L silver nitrate solution. The endpoint is found at the maximum point of inflection. The salinity is calculated from the titration volume of the silver nitrate.

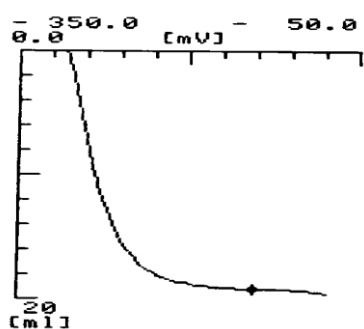
## 2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	Combined silver electrode

## 3. Reagents

Titrant	0.1mol/L silver nitrate solution
Solvent	Pure water
Additive	Nitric acid

## 4. Example



—Titration curve—

—Measurement results—

	Sample size (g)	Titer (mL)	Concentration (g/dL)
1	0.5080	19.2222	22.12
2	0.5047	19.1536	22.18
3	0.5063	19.1855	22.15
Average			22.15
SD			0.032
RSD(%)			0.15

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