

## Application Memo

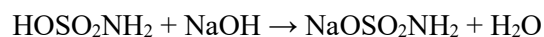
### Purity of Amidosulfuric Acid

Industry	Inorganic chemical industry
Instrument	Automatic potentiometric titrator
Measurement method	Acid-base titration
Standards	JIS K 8587

## 1. Overview

According to the standard testing method JIS K 8587-2018 Amidosulfuric acid (Reagent), amidosulfuric acid is measured by titration with 0.1mol/L sodium hydroxide after the sample is diluted with water.

The endpoint is the maximum inflexion on the titration curve. The purity of amidosulfuric acid is calculated from the titration volume of sodium hydroxide.



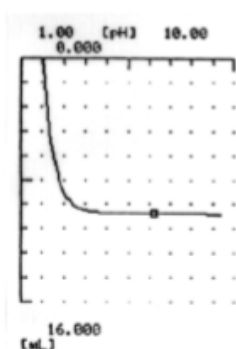
## 2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier: STD)
Electrode	Combined glass electrode Temperature compensation electrode

## 3. Reagents

Titrant	0.1 mol/L sodium hydroxide
Solvent	Pure water

## 4. Example



—Titration curve—

—Measurement results—

	Sample (g)	Titer (mL)	Amidosulfuric acid (%)
1	4.8	10.1814	98.13
2	4.8	10.1836	98.15
3	4.8	10.1945	98.26
Average			98.18
SD			0.07
RSD(%)			0.07

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