

## Application Memo

# Determination of Boric Acid

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

## 1. Overview

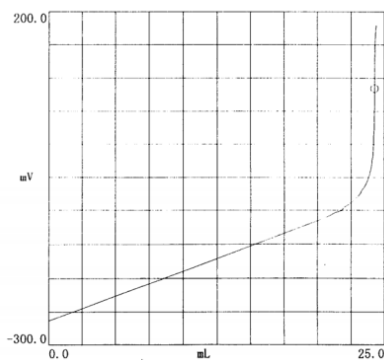
After adding mannitol to the diluted sample, boric acid concentration is measured by titration with the 1mol/L sodium hydroxide solution. The endpoint is the maximum inflexion on the titration curve. The boric acid concentration is calculated from the titration volume of sodium hydroxide.

## 2. Apparatus

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

## 3. Reagents

Titrant	1mol/L sodium hydroxide solution
Solvent	Pure Water
Additive	Mannitol



-Titration curve-

-Measurement results-

	Concentration (%)
Average	99.951
SD	0.140
RSD(%)	0.140

Please feel free to contact us for any further information.  
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