

Application Memo

Determination of Nickel Chloride in Nickel Plating Solution

Industry	Non-ferrous metal
Instrument	Automatic potentiometric titrator
Measurement method	Precipitation titration
Standards	

1. Overview

Nickel chloride concentration in the diluted sample is measured by titration with the 0.1mol/L silver nitrate solution. The endpoint is the maximum inflexion on the titration curve. The nickel chloride concentration is calculated from the titration volume of silver nitrate.

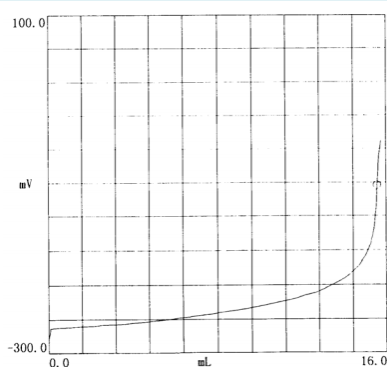
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	Silver electrode Mercury sulfate reference electrode

3. Reagents

Titrant	0.1mol/L silver nitrate solution
Solvent	Pure water

4. Example



-Titration curve-

— Measurement results —

	Concentration (g/L)
Average	37.030
SD	0.033
RSD(%)	0.89

Please feel free to contact us for any further information.
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