

Application Memo

Determination of Free Cyanide in Copper Plating Solution

Industry	Non-ferrous metal
Instrument	Automatic potentiometric titrator
Measurement method	Precipitation titration
Standards	SJ/Z 1084

1. Overview

After adding 10% potassium iodide to the diluted sample, free cyanide concentration is measured by titration with 0.1mol/L silver nitrate solution. The endpoint is the maximum inflection on the titration curve. The free cyanide concentration is calculated from the titration volume of the silver nitrate solution.

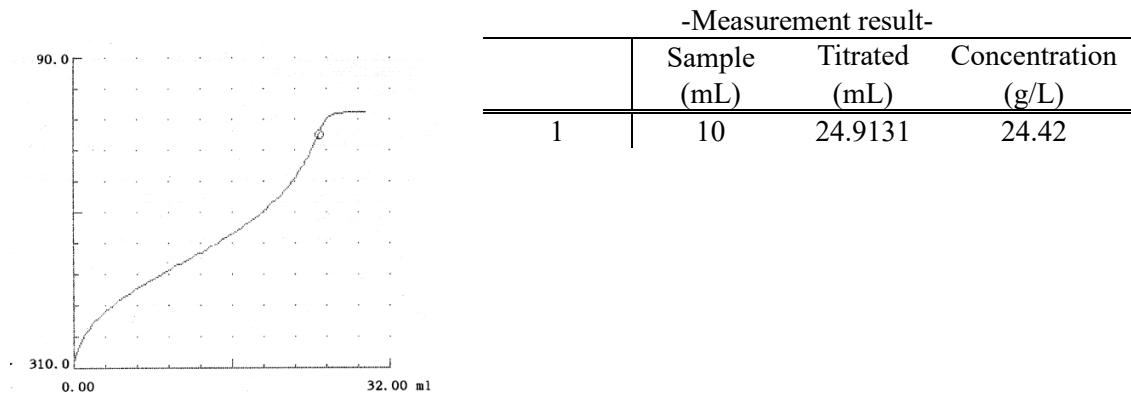
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	Silver electrode pH glass electrode

3. Reagents

Titrant	0.1mol/L silver nitrate solution
Solvent	Pure water
Additive	10% potassium iodide

4. Example



Please feel free to contact us for any further information.

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