

Application Memo

Cobalt Bromide in Plating Solution

Industry	Inorganic chemical industry
Instrument	Automatic potentiometric titrator
Measurement method	Precipitation titration
Standards	

1. Overview

Cobalt bromide in plating solution is measured by titration with silver nitrate solution after adding pure water to the sample. Titration goes up to the endpoint, which is the maximum inflexion on the titration curve. The cobalt bromide concentration is calculated from the titration volume of silver nitrate.

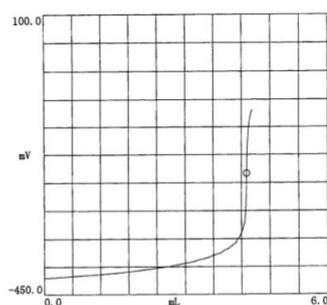
2. Apparatus

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

3. Reagents

Titrant	0.1mol/L silver nitrate
Solvent	Pure water

4. Example



—Measurement results—

	Sample (mL)	Titer (mL)	Cobalt bromide (g/L)
1	5.0	4.3088	18.85
2	5.0	4.3093	18.85
3	5.0	4.3040	18.83
Average			18.84
SD			0.01
RSD(%)			0.07

Please feel free to contact us for any further information.
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