

Application Memo

Lead Dioxide in Slurry

Industry	Environmental
Instrument	Automatic potentiometric titrator
Measurement method	Redox titration

1. Overview

Lead dioxide concentration in the diluted sample is measured by titration with 0.1mol/L sodium thiosulfate solution. The endpoint is the maximum inflexions on the titration curve. The lead dioxide concentration is calculated from titration volume of the sodium thiosulfate.

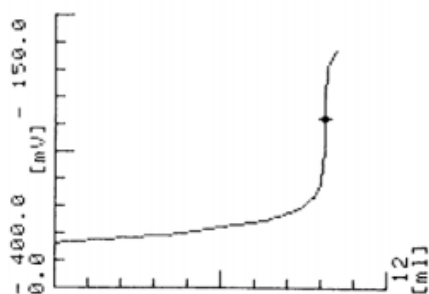
2. Apparatus

Main unit	Automatic potentiometric titrator (preamplifier STD)
Electrode	Combined platinum electrode

3. Reagents

Titrant	0.1mol/L sodium thiosulfate
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4. Example



-Titration curve-

-Measurement results-

	Sample (g)	Titer (mL)	Conc. (%)
1	0.4362	9.8158	26.78
2	0.4631	10.0447	27.41
Average			27.09

Please feel free to contact us for any further information.
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