



## 946 Portable VA Analyzer

### General information

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Software version: 1.0

Instrument:

Sensor: scTRACE Gold

User name:

Report: No

Report elements: -

## Method

### General

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Method name: AB416 Activation scTRACE Gold.detp

Remarks: 18 mL cleaning solution ( $c(\text{H}_2\text{SO}_4) = 0.5 \text{ mol/L}$ ,  $c(\text{KCl}) = 0.05 \text{ mol/L}$ )

### Determination

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Sample volume (mL): 18.0

Total cell volume (mL): 18.0

Stirring time (s): 10.0

Stirring rate (1/min): 2000

Measure blank: No

No. of blanks: 0

Blank value correction: No

No. of replications: 0

No. of additions: 0

### Voltammetric

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Measuring mode: Linear sweep

Current measuring range: Auto

### Cyclovoltammetric pretreatment

Start potential (V): -1.5

Vertex potential (V): 1.0

Potential step (V): 0.01

Sweep rate (V/s): 1.0

No. of cycles: 10

### Potentiostatic pretreatment

Potential 1 (V): -1.0

Waiting time 1 (s): 10.0

Potential 2 (V): -0.3

Waiting time 2 (s): 10.0

Equilibration time (s): 5.0

### Sweep

Start potential (V): -0.3

End potential (V): 0.2

Potential step (V): 0.01



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Sweep rate (V/s): 0.4



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## Evaluation

### Data processing

Smoothing: 1

Calibration method: Standard addition

### Peak evaluation

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Characteristic potential (V)	0.0
Tolerance (V)	0.05
Min. width (V)	0.05
Max. width (V)	0.5
Min. measured quantity (µA)	0.001
Baseline type	Linear
Base point automatic	Yes
Start base point (V)	0.0
End base point (V)	0.0

### Standard solutions

	-	Volume (mL)
Standard 1	1.0 mg/L	0.01
Standard 2	-	-
Standard 3	-	-
Standard 4	-	-