



## 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 Cleaning 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): -0.3

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): -0.3

Waiting time 1 (s): 10.0

Potential 2 (V): 0.0

Waiting time 2 (s): 0.0

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

|                              |        |
|------------------------------|--------|
|                              | -      |
| 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 | -        | -           |