
Method parameters

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Method          : AB429_Det of Cu.mth
Title           : Determination of Cu
Remark1         : 10 mL (diluted) sample + 2 mL electrolyte
Remark2         : Electrolyte: c(KCl) = 0.3 mol/L, c(HCl) = 0.1 mol/L

Calibration     : Standard addition
Technique       : Batch
Addition        : Manual

Sample ID       : Sample
Sample amount (mL): 10.000
Cell volume (mL): 12.000
```

Voltammetric parameters

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Mode                              : DP - Differential Pulse

Highest current range             : 10  mA
Lowest current range              : 100 nA

Electrode                         : SSE/RDE
Stirrer speed (rpm)               : 2000

Initial electr. conditioning      : No

No. of additions                  : 2
No. of replications               : 2

Measure blank                     : No
Addition purge time (s)           : 10

Initial purge time (s)            :       10

Conditioning cycles
Start potential (V)               :    0.000
End potential (V)                 :    0.750
No. of cycles                     :        5

Hydrodynamic (measurement)        :      No
Cleaning potential (V)            :    0.750
Cleaning time (s)                 :   10.000
Deposition potential (V)          :   -0.300
Deposition time (s)               :   30.000

Sweep
Equilibration time (s)            :    5.000
Start potential (V)               :   -0.100
End potential (V)                 :    0.600
Voltage step (V)                  :    0.006
Voltage step time (s)             :    0.060
Sweep rate (V/s)                  :    0.099
Pulse amplitude (V)               :    0.050
Pulse time (s)                    :    0.020

Cell off after measurement        :      Yes
```

Peak evaluation

Regression technique	: Linear Regression
Peak evaluation	: Height
Minimum peak width (V.steps)	: 5
Minimum peak height (A)	: 1.000e-010
Reverse peaks	: No
Smooth factor	: 4
Eliminate spikes	: Yes

Substances

Cu	: 0.250 V +/- 0.050 V
Standard solution	: 1 1.000 mg/L
Addition volume (mL)	: 0.050
Copper	: Final result (Cu) = Conc * (12 / 10) * (1e+006 / 1) + 0 - 0

Baseline

Substance	Addition	automatic	start (V)	end (V)	type	scope
Cu	Sample	yes	---	---	linear	wholePeak
	Addition 1	yes	---	---	linear	wholePeak
	Addition 2	yes	---	---	linear	wholePeak

Solutions

No.	Content	Predose (mL)

Export options

Export final results as ASCII: no

Export final results as CSV: no

Export final results as XML: no

Export determination to AutoDB: no