

VA Application Note No. V- 5

Title: Selenium in standard

Summary: Determination of Se in a standard solution

Sample: 10 ppm standard
Sample Preparation: none

Selenium:

Electrolyte: EDTA and $(\text{NH}_4)_2\text{SO}_4$
 Cu standard

AE: Pt
RE: Ag/AgCl/KCl 3M

Parameters: DPCSV (–30 mV), HMDE
 $U_{\text{meas}} = -400 \text{ mV}$ (30s) and 10s without stirring at
 $U_{\text{meas}} = -550 \text{ mV}$, $U_{\text{start}} = -550 \text{ mV}$, $U_{\text{end}} = -800 \text{ mV}$
 $E_p(\text{Se}) = -710 \text{ mV}$,

Results:	Se $\mu\text{g/L}$
	13.9

Determination of selenium

