Electronic Supplementary Information

Sample preparation for cadmium quantification in sunflower (*Heliánthus ánnuus*) seeds using stripping voltammetry

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Table S1

Optimization of microwave-assisted digestion parameters (pressure 2.0 MPa, reagent quantities 5 mL HNO_3 and 1 mL H_2O_2)

Power, W	t, min	Mass fraction of Cd, $\mu g \cdot g^{-1}$		Spike recovery, %
		Sample	Sample + spiking 0.25 $\mu g \cdot g^{-1}$	
400	18	ID	–	–
600	18	ID	–	–
1000	18	0.11±0.05	0.29±0.09	72
700	19	0.06±0.01	0.25±0.09	76
800	24	0.13±0.03	0.35±0.07	88
800	30	0.19±0.02	0.43±0.05	96

ID – incomplete decomposition (particles or inclusions, turbidity or opalescence)
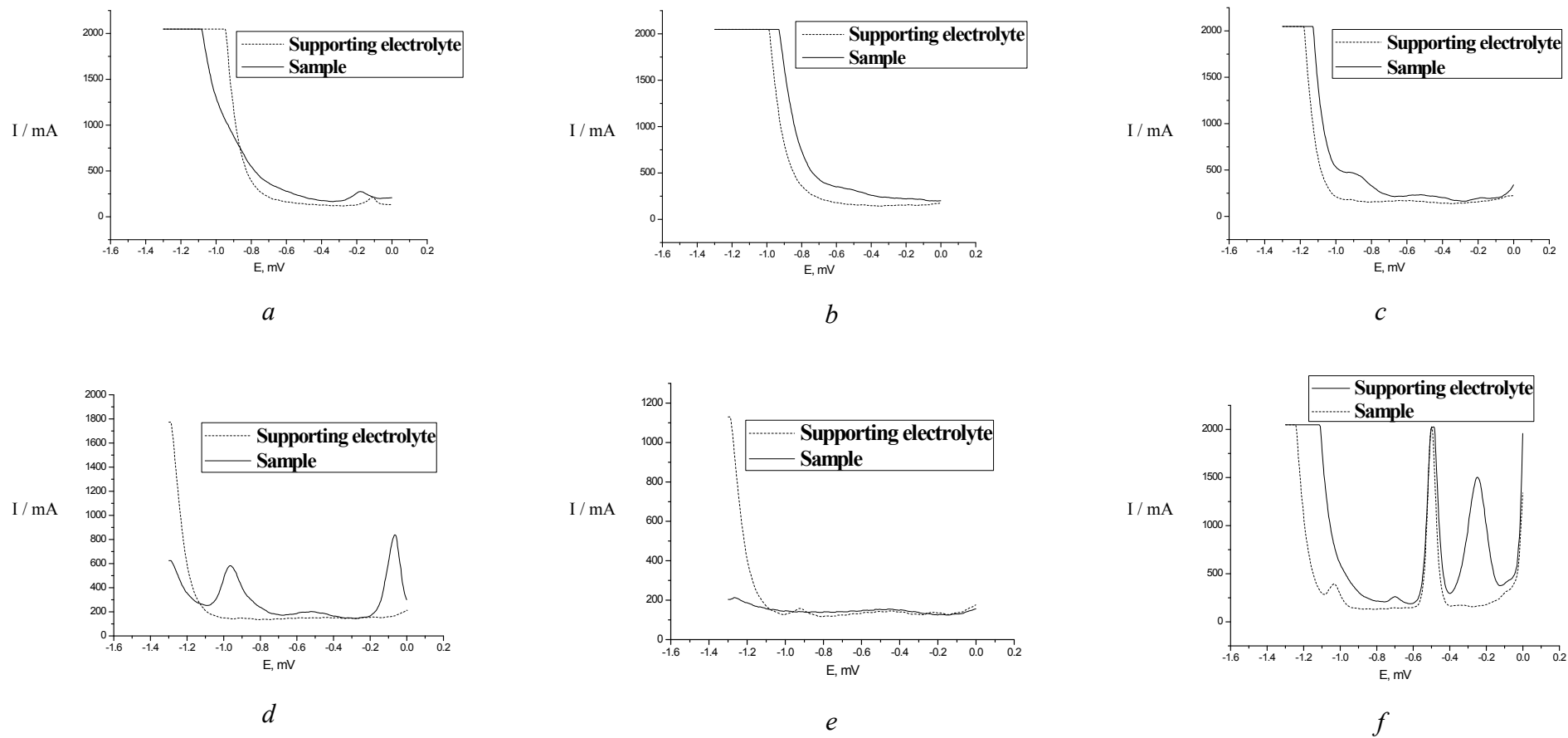
Fig. S1. Voltammograms for different supporting electrolytes – (*a*) 6M HCl and 3.5 M NaCl; (*b*) 1M HNO_3 and 0.01M $Hg(NO_3)_2$; (*c*) acetate buffer (pH = 5.6); (*d*) 0.5M HCl; (*e*) 1M HCl and 0.01M $Hg(NO_3)_2$; (*f*) 1M HCl, 0.01M $Hg(NO_3)_2$ and 3.5M KCl