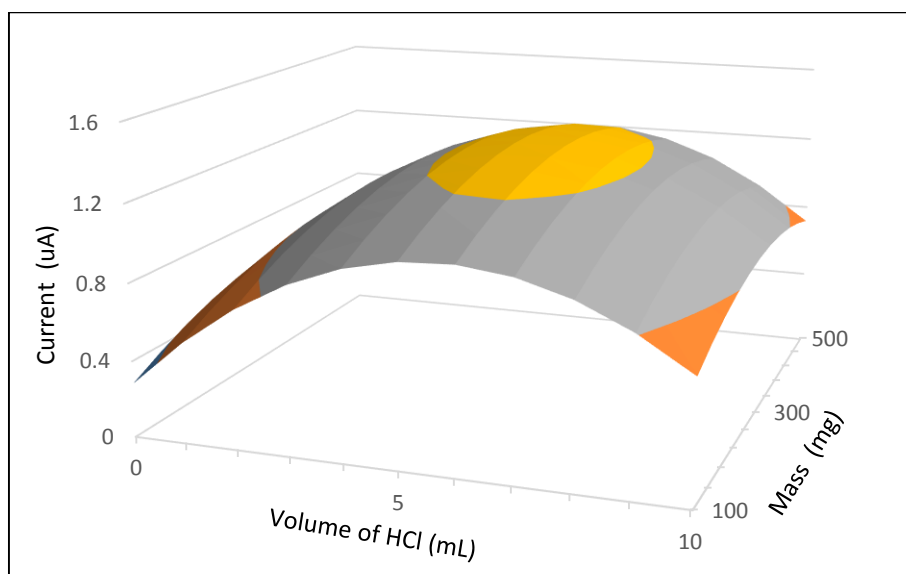


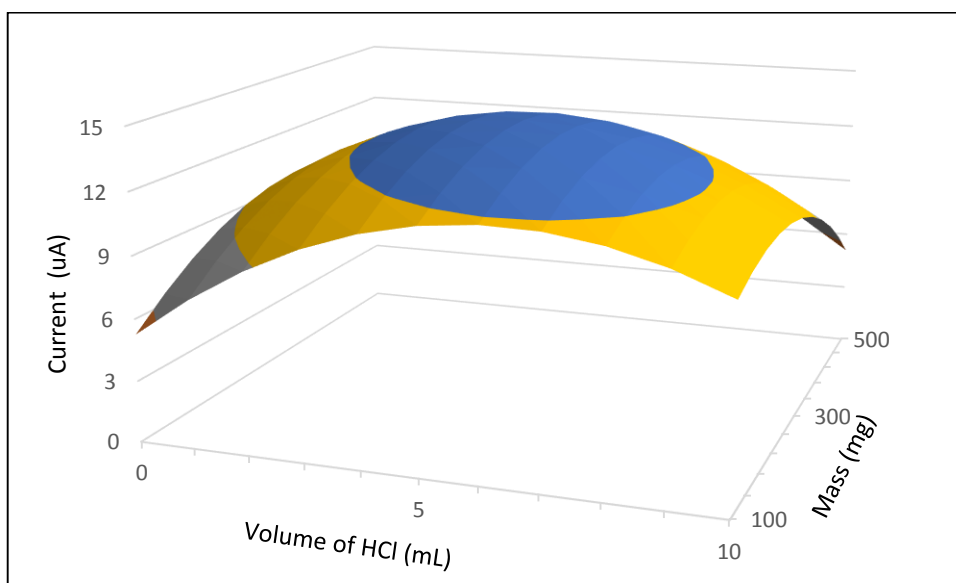
1 **Supplementary material**



2

3

Figure 1S. Surface response to extraction of Pb in eye shadow sample using heating plate.



4

5

Figure 2S. Surface response to extraction of Zn in the sample of compact powder using microwave oven.

6

7

8

9

10

11

12

13

Tabela 1S. Program used for sample digestion in a microwave oven

Program used				
Temperature (°C)	Pressure máx (bar)	Ramp time (min)	Time (min)	Power (%)
170	35	2	5	80
200	35	3	30	90
50	25	1	10	0

14

15

16

17

18

19

20

21

Table 2S. F values (ANOVA) calculated for all models in both digestion methods.

Sample	Analytes	F _{1calculated}	F _{2calculated}
Lipstick	Cu	10.98	0.47
	Pb	6.54	18.67
	Zn	9.52	12.48
Eye Shadow	Cu	6.14	17.69
	Pb	3.98	8.60
	Zn	8.27	17.11
Compact powder	Cu	18.42	17.79
	Pb	18.80	5.43
	Zn	10.25	17.81

22

F_{1calculated}: F values calculated for the models obtained from the extration in the heating plate.

23

F_{2calculated}: F values calculated for the models obtained from the extration in the microwave oven.

24

F_{critical}: 19.16

25