

Supplementary Material

Table S1. Operational conditions of ICP OES for elements determination ((I) are atomic and (II) ionic lines).

Parameter	Conditions used
RF power (W)	1400
Plasma gas flow rate (L min ⁻¹)	15.0
Auxiliary gas flow rate (L min ⁻¹)	2.00
Nebulizer gas flow rate (L min ⁻¹)	0.800
Sample flow rate, mL min ⁻¹	1.50
Spray chamber	Cyclonic L7525
Nebulizer	Concentric SeaSpray
View	Axial
Wavelength, nm	
Ag	328,068 (I)
Al	396.153 (I)
Ba	455.403 (II)
Ca	393,366 (II)
Cd	214,440 (II)
Co	238,892 (II)
Cu	324.752 (I)
Fe	259.939 (II)
Mg	280,271 (II)
Mn	257.610 (II)
Mo	202,031 (II)
Na	589,592 (I)
Ni	221,648 (II)
Pb	220,353 (II)
Sr	407,771 (II)
V	309,310 (II)
Zn	213.857 (I)
Yb	369.419 (II)*

* Internal standard.

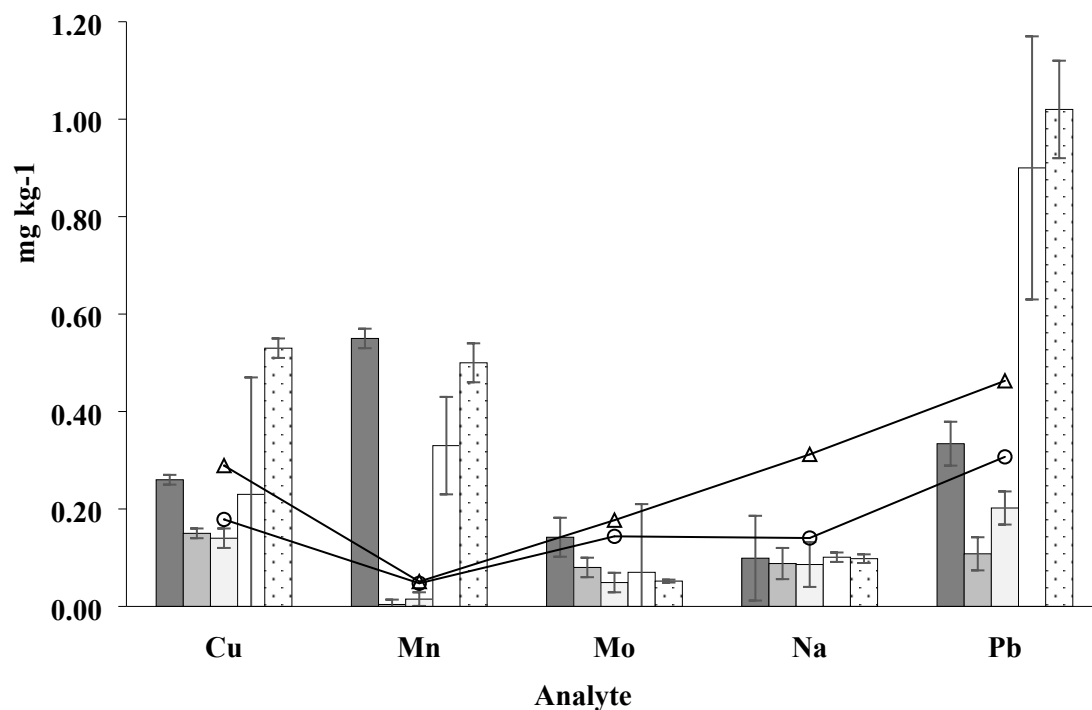


Figure S1. Relationship among LOD, LOQ and analytes concentration ($n = 3$), in mg kg^{-1} , after digestion by MIC using $4.2 \text{ mol L}^{-1} \text{ HNO}_3$ as absorbing. The circles represent the LOD, the triangles represent the LOQ and the bars are the concentration of analytes for the following samples: sample 1, sample 2, sample 3, sample 5 and sample 6. Data for Cu, Mn, Mo, Na and Pb.

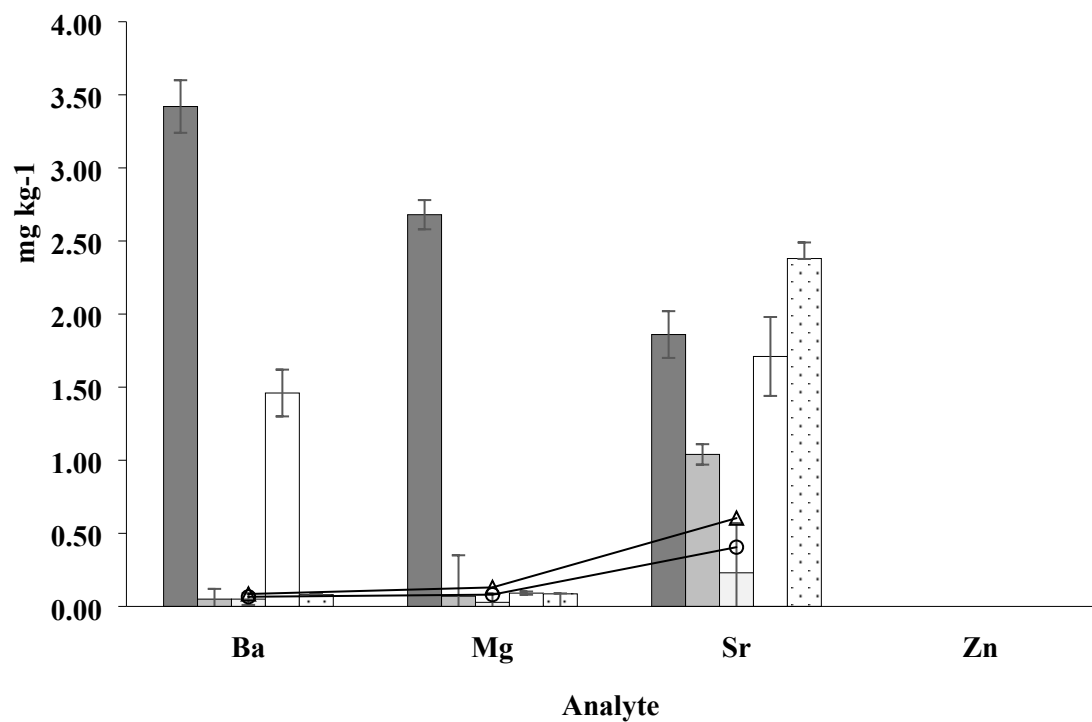


Figure S2. Relationship among LOD, LOQ and analytes concentration ($n = 3$), in mg kg^{-1} , after digestion by MIC using $4.2 \text{ mol L}^{-1} \text{ HNO}_3$ as absorbing. The circles represent the LOD, the triangles represent the LOQ and the bars are the concentration of analytes for the following samples: sample 1, sample 2, sample 3, sample 5 and sample 6. Data for Ba, Mg and Sr.