

**Table S1.** Results for reference material NCSDC 73377 achieved by means of AAS technique, (n = 5, p = 95%).

<b>Metal</b>	<b>Certified value NCSDC 73377 (mg/kg)</b>	<b>AAS (mg/kg)</b>
Cd	0.14 ± 0.02	0.15 ± 0.04
Pb	8.0 ± 0.5	7.5 ± 0.6
Cu	84 ± 5	82 ± 4
Ni	117 ± 10	119 ± 11
Zn	100 ± 12	105 ± 15

**Table S2.** Conditions and parameters of AAS analysis Cd, Pb, Cu, Ni, Zn.

<b>Metal</b>	<b>Wavelength (nm)</b>	<b>Gap width (nm)</b>	<b>Detection range (mg/L)</b>	<b>Precision (%)</b>	<b>Accuracy (%)</b>
Cd	228.8	0.5	0.002-4	10	20
Pb	217.0	1.0	0.002-10	10	20
Cu	324.7	0.5	0.003-5	10	20
Ni	232.0	0.2	0.01-10	10	20
Zn	213.9	1.0	0.01-15	10	20