

Table S1: Measured values (mean  $\pm$  stdev) of certified reference materials BCR-129 and BCR-679.

	Certified/Indicated values mg/g		Measured values mg/g	
	BCR-129	BCR-679	BCR-129	BCR-679
<b>Ca</b>	6.400	7.768	6.50 $\pm$ 0.3	8.20 $\pm$ 0.1
<b>Mg</b>	1.450	1.362	1.49 $\pm$ 0.1	1.35 $\pm$ 0.03
<b>Fe</b>	0.114	0.055	0.11 $\pm$ 0.01	0.045 $\pm$ 0.0001
<b>Zn</b>	0.0321	0.0797	0.324 $\pm$ 0.002	0.085 $\pm$ 0.003

For BCR-129 (n=6) for BCR-679 n=2.