

Table S1: Element concentrations in DOLT-5 certified by NRCC and as detected with TXRF: mean \pm SD of nine measurements and mean accuracy all values in mg/kg dw.

Element	NRCC (mg/kg dw) \pm SD	Measured Values (mg/kg dw) \pm SD	Accuracy (%)
As	34.6 \pm 2.4	30.7 \pm 0.6	88.7
Cu	35.0 \pm 2.4	34.1 \pm 0.8	97.4
Fe	1070 \pm 80	1022 \pm 18	95.5
Mn	8.91 \pm 0.70	8.2 \pm 0.5	92.0
Se	8.3 \pm 1.8	7.0 \pm 0.4	84.3
Sr	3.73 \pm 0.26	4.0 \pm 0.3	107.2
Zn	105.3 \pm 5.4	107.2 \pm 5.5	101.8