

Table S1. The LOD and LOQ of minerals, and accuracy of mineral contents for SRM 1869

Targets	LOD ($\mu\text{g}/100\text{g}$)	LOQ ($\mu\text{g}/100\text{g}$)	Recovery (%)	RSD (%)
Potassium	1.43	4.75	99.9	0.6
Calcium	2.63	8.77	101.8	1.4
Magnesium	3.36	1.12	99.6	0.4
Sodium	2.84	9.47	99.1	1.4
Iron	0.30	1.00	101.0	0.8
Phosphorus	1.01	3.35	101.2	0.1

The values are mean \pm S.D of replicates

Relative standard deviation (RSD)

Reference value indicates the mineral contents of SRM 1869 provided by National Institute of Standard and Technology (NIST) as certificate value