

SUPPLEMENTARY DATA

TABLE S1: Wavelengths used for element determination

Element	Detection wavelength (nm)
Al	396.153
B	208.957
Ca	315.887
Cu	324.752
Fe	259.939
K ¹	766.490
Mg	279.077
Mn	257.610
Na ¹	589.592
Ni	231.604
P	177.434
S	181.975
Si	251.611
Sr	460.733
Zn	213.857

¹ Analysed using the radial plasma viewing mode

TABLE S2: Operating parameters of Optima™ 3300 DV, used for element determination

Parameter	Set-up
RF power	1300 Watts
Plasma gas	15 L min ⁻¹
Auxiliary gas	0.5 L min ⁻¹
Nebulizer gas	0.8 L min ⁻¹
Pump rate	1.8 mL min ⁻¹
Nebulizer	Cross-flow
Spray chamber	Scott-type, Ryton
Plasma view	Axial (except K, Na)
Viewing distance	15 mm