
NUTRITIONAL CONTRIBUTION AND BIOACCESSIBILITY OF ESSENTIAL ELEMENTS IN EDIBLE NUTS

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Received: 10/30/2025; accepted: 02/25/2026; published online: 03/17/2026

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Table S1. Evaluation of the developed method for quantifying Cu, Mg, Mn, and Zn in Cashew and Brazil nuts

Element	Linearity / (mg L ⁻¹)	R ²	LOD _{total} / (µg g ⁻¹)	LOQ _{total} / (µg g ⁻¹)	LOD _{bioaccessible} / (µg g ⁻¹)	LOQ _{bioaccessible} / (µg g ⁻¹)
Cu	0.010-0.50	0.99900	1	3.3	0.8	3
Mg	2-100	0.99995	26	86	32	106
Mn	0.004-2	0.99940	0.5	1.65	0.2	0.7
Zn	0.040-2	0.99980	0.9	3	2	7

Element	Certified value / (µg g ⁻¹)	Found value / (µg g ⁻¹)	<i>t</i> _{Calculated} ^a	<i>t</i> _{Critical} ^a
Cu	5.69 ± 0.13	5.21 ± 0.29	2.16	4.30
Mg	2710 ± 120	2555 ± 121	1.409	4.30
Mn	54.10 ± 1.10	50.64 ± 2.53	1.752	4.30
Zn	12.45 ± 0.43	10.62 ± 0.93	2.513	4.30

^aValues obtained from *t*-test (*t* calculated < *t* critical; there are no differences (*p* > 0.05) between certified and found values). Mg(II) / Mg(I) to SRM ® 1515 = 9.5. Values are presented as average ± standard deviation. R²: coefficient of determination; LOD: limit of detection.

