Supplementary Materials

Supplementary Table 1. Results of Pb detection and concentrations by qualitative and quantitative methods before and after submitting LGC to traditional curing.

Piece	Type of curing	Qualitative methods				Quantitative method		
		Sodium rhodizonate		Lumetallix ™		XRF		
		Pb detection before curing	Pb detection after curing	Pb detection before curing	Pb detection after curing	Pb concentration before curing Mean (SD)	Pb concentration after curing Mean (SD)	Ratio of Pb increase
Piece 1	Heat and vegetable edible oil	Yes	Yes	Yes	Yes	190,000 (5,500)	358,300* (13,000)	0.88
Piece 2	Boiling water and beef lard	Yes	Yes	Yes	Yes	262,900 (9,400)	318,000* (13,000)	0.21
Piece 3	Garlic and boiling white vinegar	Yes	Yes	Yes	Yes	40,300 (800)	123,800 (3,300)*	2.07
Average of the three pieces	na	na	na	na	na	164,400 (113,486)	266,700 (125,384)*	0.62

Abbreviations: XRF: X-ray fluorescence; Pb: lead; ppm: parts per million; SD: Standard Deviation; na: not applicable. *$p<0.05$, Paired t-test, before and after concentrations.