

**Table S1.** Composition (max.-min.) in oxides (wt.%) of the ceramic body (n=1) measured by EDS analysis.

Period	Sample	Na <sub>2</sub> O	MgO	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	K <sub>2</sub> O	CaO	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	PbO
MJA	MCS1	1.1	0.1	20.5	74.1	1.9	0.8	0.4	0.8	0.3
FLS	SAC2	1.2	0.0	20.6	73.6	2.1	0.6	0.8	0.8	0.2
	SAC13	0.9	0.2	23.2	71.0	2.3	0.9	0.6	0.9	0.0
	SAC16	0.8	0.1	23.4	71.5	2.4	0.7	0.3	0.7	0.0
	CC_NEC_59	0.6	0.2	26.2	68.6	1.9	0.8	0.7	0.7	0.4
	CC_NEC_5	0.6	0.2	25.8	68.6	2.7	0.5	0.6	0.8	0.1
RFS	CC_NEC_14	0.8	0.2	24.7	69.8	1.9	0.9	0.5	0.7	0.7
	SAC14	0.5	0.2	21.9	73.2	2.3	0.3	0.6	0.9	0.2
	SAC12	0.5	0.3	21.4	73.7	2.2	0.2	0.6	0.9	0.1
	MCS9358	0.6	0.2	20.9	74.2	2.1	0.1	0.5	0.9	0.3
RFS-G	SAC1	0.5	0.1	16.3	79.4	2.5	0.3	0.3	0.5	0.2