

Table S2 Microscopic description of the painted pottery samples.

Sample code	Aplastic inclusions							Groundmass		
	Distribution	Sorting	Grain-size	MGS (mm)	Packing (% area)	Composition - monomineralic grains	Composition - rock fragments	Clay lumps	Optical activity	macro Porosity (area %)
RC268	homogeneous	serial	CSi (P), VFSa (P), FSa (A), MSa (A)	0.4	15-20	Qtz (+++), Pl (+), Kf (+), Mca (+)	Mcl (+/r)	r	inactive	5-10
RC269	heterogeneous	serial	CSi (P), VFSa (P), FSa (R), MSa (R)	0.8	3-10	Qtz (++), Pl (r), Kf (r), Mca (r)	Mcl (++/+)	+	inactive	10
RC270	heterogeneous	serial	CSi (P), VFSa (P), FSa (R), MSa (R)	0.3	3-7	Qtz (++), Pl (r), Kf (r), Mca (r)	Mcl (+)	-	inactive	10-15
RC271	moderately homogeneous	serial	CSi (A), VFSa (A), FSa (C), MSa (C), CSa (C) - VCSa (S)	1.5	20-25	Kf (r), Mca (r)	partially recrystallized bioclasts (+++), limestones (++)	+	inactive	10-15
RC272	homogeneous	serial	CSi (P), VFSa (P), FSa (S), MSa (S)	0.4	10-15	Qtz (+++), Pl (r), Kf (r), Mca (++)	Mcl (r)	+	inactive	5-10
RC273	moderately homogeneous	serial	CSi (P), VFSa (C), FSa (C/S), MSa (C/S), CSa (R), VCSa (R)	1.3	10-15	Qtz (+++), Pl (r), Kf (r), Mca (+)	Mcl(*) (+/r)	+	inactive	5-10
RC274	homogeneous	serial	CSi (P), VFSa (A), FSa (C), MSa (R)	0.3	10-15	Qtz (+++), Pl (r), Mca (++) , Kf (r)	Mcl (s/r)	+	inactive	5
RC275	homogeneous	serial	CSi (P), VFSa (A), FSa (R), MSa (R)	0.5	10-15	Qtz (+++), Pl (s/r), Mca (++) , Kf (s/r)	Mcl (+), spatic calcite (r)	+	slightly active/inactive	15
RC276	homogeneous	serial/bimodal	CSi (C), VFSa (P), FSa (C)	0.3	15-20	Qtz (+++), Pl (+), Mca (+), Kf (r)	Mcl (r)	-	inactive	5
RC277	moderately homogeneous	serial	CSi (P), VFSa (P), FSa (C/S), MSa (R), CSa (R)	0.8	15-20	Qtz (+), Pl (r), Mca (r/s), Kf (r)	microsparite-infilled molds of alveolar bioclasts (++), limestones (++/+), spatic calcite (+)	+	inactive	10-15

Legend: Grain size distribution: CSi = coarse silt (0.04-0.06 mm); VFSa = very fine sand (0.06-0.125 mm); FSa = fine sand (0.125-0.25 mm); MSa = medium sand (0.25-0.5 mm); CSa = coarse sand (0.5-1 mm); VCSa = very coarse sand (1-2 mm); VFG = very fine gravel (2-4 mm); P = prevalent, A = abundant, C = common, S = sporadic, R = rare; Abundance of monomineralic grains and clay lumps: (+++) abundant, (++) common, (+) sporadic, (r) rare; (-) = not detected; MGS = Maximum Grain Size; Qtz = quartz; = Plagioclase; Kf = K-feldspar; Mca= Mica, Mcc = micrite clot (lumps of microcrystalline calcite originating from the thermal alteration of calcareous microfossils and/or limestone fragments).

(*) Common micrite lumps (Mcl), reaching up to 1.2 mm in diameter.