

Table S1. EPMA date for " Jin Gao Yu " (wt.%)

Data	Na ₂ O	Cr ₂ O ₃	SiO ₂	MnO	MgO	FeO	SrO	CoO	Al ₂ O ₃	NiO	CaO	CuO	BaO	ZnO	PbO ₂	F	TiO ₂	K ₂ O	Total	Chemical Formula
JGY1-1	0.01	-	0.05	0.08	21.28	2.25	-	-	0.04	-	27.86	-	-	0.01	-	-	-	-	51.58	Ca _{0.94} Mg _{1.00} Fe _{0.60} (CO ₃) ₂
JGY1-2	0.01	0.01	0.02	0.06	21.02	2.37	-	-	0.05	-	28.16	-	0.01	0.11	-	-	-	-	51.82	Ca _{0.95} Mg _{0.99} Fe _{0.60} (CO ₃) ₂
JGY1-3	0.03	-	0.04	0.02	22.01	0.36	-	0.02	0.03	-	29.75	-	0.02	0.10	-	-	-	-	52.38	Ca _{0.98} Mg _{1.01} Fe _{0.10} (CO ₃) ₂
JGY2-1	0.03	-	0.07	-	22.73	0.19	0.03	-	0.02	0.02	29.83	0.00	-	0.05	0.00	-	-	-	52.97	Ca _{0.97} Mg _{1.03} (CO ₃) ₂
JGY3-1	0.02	0.01	0.03	-	20.72	1.99	0.07	0.01	-	-	29.40	0.06	0.02	0.03	-	-	-	-	52.36	Ca _{0.98} Mg _{0.97} Fe _{0.05} (CO ₃) ₂