

Table S1. Determined compositions and XRF chemical measured compositions (wt%) of the reproduced glaze varieties (oxide wt.%).

Category	ID	Condition	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	K ₂ O	Na ₂ O
HKHC	1	determined	65.79	13.46	2.84	11.24	1.12	4.32	1.19
		measured	69.94	13.42	1.83	7.70	1.44	3.75	0.78
HKHC	2	determined	62.66	13.28	2.87	13.27	1.13	5.28	1.47
		measured	66.11	14.07	1.84	9.66	1.51	4.66	1.05
HKHC	3	determined	62.99	11.96	2.91	15.36	1.14	4.39	1.22
		measured	64.33	12.63	3.17	12.36	1.79	3.67	0.89
HKHC	4	determined	63.21	10.65	2.9	15.33	1.12	5.28	1.48
		measured	66.57	12.28	1.61	10.69	1.69	4.17	1.88
HKLC	5	determined	68.29	11.24	2.75	9.13	1.06	5.85	1.65
		measured	71.11	11.71	1.73	5.91	1.84	4.86	1.74
HKLC	6	determined	67.23	10.9	2.75	9.18	1.2	6.8	1.92
		measured	69.40	11.58	1.85	7.53	1.97	5.40	1.15
HKLC	7	determined	66.79	11.66	2.77	9.22	1.21	6.5	1.83
		measured	70.33	12.30	1.60	6.09	1.75	5.02	1.81
HKLC	8	determined	68.59	11.54	2.8	9.26	1.08	5.24	1.47
		measured	70.79	12.15	1.90	6.59	1.93	4.27	1.30
LKHC	9	determined	65.62	11.32	2.91	15.36	1.15	2.83	0.77
		measured	69.36	12.07	1.87	10.25	1.15	2.55	1.57
LKHC	10	determined	64.27	11.86	2.91	15.36	1.15	3.46	0.95
		measured	68.59	12.49	1.83	10.93	1.37	2.87	0.78
LKHC	11	determined	63.16	12.46	2.91	15.37	1.15	3.85	1.06
		measured	67.05	12.92	1.74	10.97	1.55	3.21	1.42
LKLC	12	determined	71.21	11.39	2.79	9.24	1.1	3.32	0.91
		measured	74.26	11.98	1.70	6.24	1.28	2.49	0.86
LKLC	13	determined	70.75	11.26	2.79	9.24	1.1	3.79	1.05
		measured	73.54	11.83	1.76	6.23	1.48	2.98	1.05
LKLC	14	determined	70.3	11.3	2.78	9.23	1.09	4.25	1.18
		measured	72.94	12.15	1.74	6.32	1.05	3.43	1.23
LKLC	15	determined	70.11	13.12	2.81	9.28	1.12	2.77	0.75
		measured	70.77	13.71	2.02	7.13	1.21	2.35	1.61