

Table S1 - Sillimanite

Wt%	G2							G3				
	11	24	32	34	38	average	σ	39	41	42	average	σ
SiO ₂	36.92	36.89	36.88	36.9	36.96	36.91	0.03	36.41	37.25	36.72	36.79	0.42
TiO ₂	0.01	0.00	0.00	0.02	0.03	0.01	0.01	0.02	0.01	0.01	0.01	0.01
Cr ₂ O ₃	0	0.03	0	0	0	0.01	0.01	0.08	0.00	0.00	0.03	0.05
Al ₂ O ₃	61.71	61.5	61.56	61.66	61.62	61.61	0.08	61.16	61.57	63.22	61.98	1.09
FeO T	1.37	1.23	1.06	1.11	1.21	1.20	0.12	1.00	0.91	1.1	1.00	0.10
MnO	0.01	0	0	0	0	0	0	0.02	0	0	0.01	0.01
MgO	0.02	0.01	0.04	0.03	0.02	0.02	0.01	0	0.03	0.02	0.02	0.02
Σ	100.04	99.66	99.54	99.72	99.84	99.76	0.19	98.69	99.77	101.07	99.84	1.19

Wt%	G4		TAF 500								average	σ
	73	74	12	5	16	14	4	66				
SiO ₂	36.85	36.58	35.78	35.37	36.77	36.53	37.00	36.72			36.36	0.64
TiO ₂	0.01	0	0.01	0	0.02	0	0	0.01			0.01	0.01
Cr ₂ O ₃	0	0	0.05	0.06	0	0.07	0.05	0.05			0.05	0.02
Al ₂ O ₃	61.52	61.38	62.36	62.27	61.08	63.31	63.62	62.75			62.57	0.90
FeO T	1.16	1.12	1.07	1.10	1.03	1.06	1.08	1.21			1.09	0.06
MnO	0	0.01	0.01	0	0	0.01	0	0.02			0.01	0.01
MgO	0	0	0.03	0.03	0.04	0.04	0.03	0.02			0.02	0.01
Σ	99.54	99.09	99.30	98.82	98.94	101.02	101.78	100.78			100.11	1.25