

Table 3. Selected symplectite clinopyroxene compositions.

Sample Lithology	AJE 1054 c hz	AJE 1169 c hz	Bf 6 f hz	Bf 16 c hz	Bf 110 metas.	Bf 127 f hz	Kf 2 c hz	New89 34 grt hz
SiO <sub>2</sub>	52.58	54.14	54.16	54.05	54.11	53.35	53.15	52.99
TiO <sub>2</sub>	0.01	0.01	0.01	0.03	0.02	0.01	0.04	0.00
Al <sub>2</sub> O <sub>3</sub>	2.27	1.25	1.99	1.19	1.30	2.37	2.22	1.76
Cr <sub>2</sub> O <sub>3</sub>	1.26	1.79	1.16	0.91	1.50	1.19	1.91	1.36
Fe <sub>2</sub> O <sub>3</sub>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MgO	17.65	17.92	17.03	17.77	16.97	17.63	17.42	18.01
CaO	23.81	23.30	23.11	24.39	23.37	23.50	21.97	23.83
MnO	0.02	0.03	0.03	0.05	0.04	0.04	0.02	0.00
FeO	1.43	1.58	1.54	1.43	1.37	1.79	2.21	1.53
Na <sub>2</sub> O	0.61	0.74	0.61	0.33	0.65	0.54	0.97	0.49
K <sub>2</sub> O	na	na	na	0.00	0.00	na	0.01	na
Total	99.64	100.76	99.64	100.15	99.38	100.42	99.92	99.97
Cations/6 oxygens								
Si	1.920	1.952	1.966	1.959	1.966	1.931	1.923	1.932
Ti	0.000	0.000	0.000	0.001	0.001	0.000	0.001	0.000
Al <sup>IV</sup>	0.080	0.048	0.034	0.041	0.034	0.069	0.077	0.068
Al <sup>VI</sup>	0.018	0.013	0.051	0.010	0.022	0.032	0.018	0.008
Cr	0.036	0.051	0.033	0.026	0.043	0.034	0.055	0.039
Fe <sup>3+</sup>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mg	0.961	0.963	0.922	0.960	0.919	0.951	0.940	0.979
Ca	0.932	0.901	0.899	0.947	0.910	0.911	0.852	0.931
Mn	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.000
Fe <sup>2+</sup>	0.044	0.047	0.047	0.043	0.042	0.054	0.067	0.047
Na	0.043	0.052	0.042	0.023	0.046	0.038	0.068	0.035
K	na	na	na	0.000	0.000	na	0.000	na
Total	4.035	4.020	3.995	4.012	3.984	4.021	4.002	4.039
En	49.60	50.46	49.36	49.23	49.12	49.64	50.57	50.04
Fs	2.28	2.57	2.52	2.21	2.25	2.81	3.60	2.38

Wo 48.12 46.97 48.13 48.58 48.64 47.55 45.83 47.58

Table 3. Selected symplectite clinopyroxene compositions

Sample Lithology	Pl 34 metas,	Pl 45 c hz	Prem 89 37 grt hz	XM1 472 c hz
SiO2	55.48	52.78	53.45	53.40
TiO2	0.20	0.01	0.00	0.06
Al2O3	0.80	1.98	1.62	1.89
Cr2O3	2.11	1.07	0.79	1.93
Fe2O3	0.00	0.00	0.00	0.00
MgO	16.91	17.85	17.61	17.85
CaO	20.47	23.51	23.46	22.02
MnO	0.07	0.05	0.00	0.03
FeO	2.43	2.57	1.71	1.92
Na2O	1.28	0.47	0.80	0.99
K2O	0.01	0.02	na	na
Total	99.76	100.31	99.44	100.09
Si	2.011	1.896	1.950	1.938
Ti	0.005	0.000	0.000	0.002
Al <sup>IV</sup>	0.000	0.083	0.050	0.062
Al <sup>VI</sup>	0.034	0.000	0.020	0.019
Cr	0.061	0.031	0.023	0.055
Fe3+	0.000	0.000	0.000	0.000
Mg	0.913	0.957	0.964	0.966
Ca	0.795	0.905	0.922	0.856
Mn	0.001	0.002	0.000	0.002
Fe2+	0.074	0.078	0.053	0.061
Na	0.090	0.033	0.057	0.07
K	0.001	0.000	na	na
Total	3.985	3.985	4.039	4.031
En	51.24	49.33	49.70	51.41
Fs	4.19	4.02	2.71	2.88
Wo	44.61	46.65	47.99	45.41