

Table 8. Amphibole compositions.

Sample Lithology Type	SFBR 7 metas. symp	AJE 1015 metas disc	AJE 1014 metas. symp	AJE 1031 metas. symp	AJE 1039 metas. symp	Bf 106 metas. symp	Bf 110 metas. disc	AJE 1049 grt hz disc
SiO ₂	48.60	56.31	50.24	45.82	44.98	46.37	47.13	43.78
TiO ₂	0.00	0.43	0.02	0.03	0.00	0.03	0.02	0.37
Al ₂ O ₃	9.23	1.16	7.32	12.60	12.22	10.95	12.79	14.31
Cr ₂ O ₃	2.15	0.50	1.81	1.65	1.74	1.43	1.42	1.98
MgO	20.47	22.42	21.09	20.07	19.53	20.15	19.21	19.86
CaO	9.03	7.17	9.65	11.62	11.88	12.10	11.77	9.93
MnO	0.03	0.03	0.01	0.01	0.00	0.01	0.04	0.16
FeO	3.23	1.78	2.90	2.99	3.11	3.17	2.68	4.04
Na ₂ O	4.78	3.35	4.25	3.26	3.01	3.07	2.84	3.39
K ₂ O	0.37	4.74	0.60	0.73	0.88	0.75	0.90	0.58
Total	97.84	97.89	97.89	97.78	97.35	98.03	98.80	98.40
Cations/23 oxygens								
Si	6.538	7.532	6.740	6.144	6.267	6.545	6.554	6.173
Ti	0.000	0.043	0.002	0.003	0.000	0.004	0.002	0.039
Al	1.463	0.183	1.158	1.990	2.007	1.821	2.096	2.378
Cr	0.228	0.053	0.192	0.175	0.191	0.160	0.156	0.221
Mg	4.104	4.470	4.217	4.010	4.054	4.240	3.981	4.173
Ca	1.301	1.027	1.388	1.668	1.773	1.830	1.753	1.500
Mn	0.004	0.003	0.001	0.001	0.000	0.001	0.004	0.019
Fe	0.364	0.199	0.325	0.335	0.362	0.374	0.312	0.476
Na	1.247	0.867	1.106	0.847	0.814	0.841	0.765	0.928
K	0.064	0.808	0.102	0.125	0.157	0.140	0.160	0.104

Total	15.313	15.185	15.231	15.298	15.625	15.956	15.783	16.011
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