

DOI: 10.1590/2317-4889202020190120

Mineralogical evolution of the northern Bossoroca ophiolite, São Gabriel terrane

Amanda Juliano Massuda, Léo Afraneo Hartmann¹, Gláucia Nascimento Queiroga, Marco Paulo de Castro, Carolina Gonçalves Leandro, Jairo Francisco Savian

Supplementary Table 6. Electron microprobe analyses of magnetite.

Chromite-talc-magnesite granofels, sample BO13

Analysis	4	7	8	11	15	16	17
Al ₂ O ₃	0.06	0.06	0.06	0.12	0.16	0.00	0.06
Cr ₂ O ₃	16.22	14.70	28.19	42.32	15.19	6.90	23.51
FeO	72.96	75.15	63.43	51.35	76.82	82.89	68.20
MgO	0.17	0.60	0.28	0.52	0.11	0.06	0.15
Total	89.41	90.51	91.96	94.31	92.28	89.85	91.92
Structural formulae based on 32 oxygen							
Al	0.023	0.022	0.022	0.044	0.059	0.000	0.022
Cr	4.143	3.693	7.043	10.353	3.760	1.748	5.866
Fe(iii)	11.820	12.260	8.906	5.556	12.172	14.238	10.093
Fe(ii)	7.890	7.711	7.854	7.731	7.941	7.970	7.905
Mg	0.082	0.284	0.132	0.240	0.051	0.029	0.071
Total	23.958	23.970	23.957	23.924	23.983	23.985	23.957
Fe#	1.00	0.99	0.99	0.98	1.00	1.00	1.00
Cr#	0.99	0.99	1.00	1.00	0.98	1.00	1.00

Chloritite, sample BO17

Analysis	10	11	12	13	14	15	16	17
TiO ₂	0.02	0.05	0.03	0.06	0.04	0.04	0.03	0.01
Al ₂ O ₃	0.00	0.00	0.06	0.02	0.00	0.00	0.00	0.02
Cr ₂ O ₃	0.75	0.44	0.34	0.38	0.38	0.43	0.51	0.59
FeO	90.75	90.32	90.06	91.31	91.34	91.71	91.07	90.84
MgO	0.00	0.11	0.08	0.00	0.02	0.05	0.07	0.04
Total	91.52	90.92	90.57	91.77	91.78	92.23	91.68	91.5
Structural formulae based on 32 oxygen								
Ti	0.005	0.012	0.007	0.014	0.009	0.009	0.007	0.002
Al	0.000	0.000	0.022	0.007	0.000	0.000	0.000	0.007
Cr	0.185	0.110	0.085	0.094	0.094	0.106	0.126	0.146
Fe(iii)	15.649	15.841	15.878	15.827	15.856	15.876	15.854	15.842
Fe(ii)	8.076	7.961	7.969	8.023	8.000	7.973	7.954	7.967

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Mg	0.000	0.052	0.038	0.000	0.009	0.023	0.033	0.019
Total	23.915	23.976	23.999	23.965	23.968	23.987	23.974	23.983
Fe#	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Cr#	1.00	1.00	0.79	0.93	1.00	1.00	1.00	0.95

Chloritite, sample BO17

Analysis	41	42	43	44	45	46	49
TiO ₂	0.04	0.03	0.03	0.01	0.02	0.00	0.02
Al ₂ O ₃	0.06	0.04	0.05	0.05	0.01	0.02	0.05
Cr ₂ O ₃	0.32	0.57	1.00	0.94	0.75	0.59	0.86
FeO	91.35	92.82	89.86	90.72	90.98	88.71	90.51
MgO	0.02	0.08	0.03	0.03	0.00	0.09	0.02
Total	91.79	93.54	90.97	91.75	91.76	89.41	91.46
Structural formulae based on 32 oxygen							
Ti	0.009	0.007	0.007	0.002	0.005	0.000	0.005
Al	0.022	0.014	0.019	0.018	0.004	0.007	0.018
Cr	0.079	0.138	0.249	0.232	0.185	0.146	0.213
Fe(iii)	15.868	15.822	15.686	15.738	15.795	15.828	15.752
Fe(ii)	7.997	7.946	7.999	7.985	8.001	7.374	7.999
Mg	0.009	0.037	0.014	0.014	0.000	0.042	0.009
Total	23.984	23.964	23.974	23.989	23.99	23.397	23.996
Fe#	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Cr#	0.78	0.91	0.93	0.93	0.98	0.95	0.92