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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 14. Electron microprobe analyses of apatite. La₂O₃, Ce₂O₃, Pr₂O₃, Nd₂O₃
 below detection limit.

Tourmalinite, sample BO19, mount 2.

Analysis	55	56	58
CaO	55.33	55.20	55.39
Na ₂ O	0.11	0.06	0.04
MnO	0.07	0.05	0.07
FeO	0.32	0.18	0.54
P ₂ O ₅	41.45	42.15	40.78
SiO ₂	0.04	0.02	0.52
Cl	0.01	0.01	0.00
F	1.27	1.65	1.67
Total	98.06	98.62	98.31
Structural formulae of apatite based on 25 O			
Ca	9.910	9.775	9.898
Na	0.036	0.019	0.013
Mn	0.010	0.007	0.010
Fe	0.045	0.025	0.075
P	5.867	5.898	5.758
Si	0.007	0.003	0.087
Cl	0.003	0.003	0.000
F	0.671	0.862	0.881
OH	0.326	0.135	0.119
Total	16.874	16.727	16.842

Chlorite, sample BO17.

Analysis	29	30	31	32	33	34
CaO	57.06	57.62	57.36	57.12	56.99	57.27
Na ₂ O	0.09	0.11	0.07	0.06	0.08	0.09
MnO	0.13	0.11	0.06	0.05	0.10	0.05
FeO	0.02	0.16	0.10	0.04	0.02	0.05
P ₂ O ₅	40.66	40.15	40.60	40.90	40.05	40.42
SiO ₂	0.00	0.03	0.05	0.06	0.05	0.00
Cl	0.00	0.01	0.01	0.00	0.01	0.01
F	1.54	1.50	1.02	1.50	1.40	1.19
Total	98.85	99.06	98.84	99.10	98.11	98.58

Structural formulae of apatite based on 25 O

Ca	10.200	10.324	10.290	10.173	10.291	10.297
Na	0.029	0.036	0.023	0.019	0.026	0.029
Mn	0.018	0.016	0.009	0.007	0.014	0.007
Fe	0.003	0.022	0.014	0.006	0.003	0.007
P	5.743	5.685	5.755	5.756	5.715	5.743
Si	0.000	0.005	0.008	0.010	0.008	0.000

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Cl	0.000	0.003	0.003	0.000	0.003	0.003
F	0.813	0.793	0.540	0.789	0.746	0.632
OH	0.187	0.204	0.457	0.211	0.251	0.366
Total	16.993	17.088	17.099	16.971	17.058	17.083

Chlorite, sample BO17.

Analysis	23	24	25
CaO	54.7	56.07	54.70
Na ₂ O	0.04	0.03	0.06
MnO	0.06	0.01	0.05
FeO	0.05	0.03	0.11
P ₂ O ₅	42.98	41.57	42.78
SiO ₂	0.02	0.03	0.04
Cl	0.02	0.00	0.02
F	1.60	1.50	1.41
Total	98.79	98.61	98.57

Structural formulae of apatite based on 25 O

Ca	9.621	9.976	9.660
Na	0.013	0.010	0.019
Mn	0.008	0.001	0.007
Fe	0.007	0.004	0.015
P	5.973	5.844	5.970
Si	0.003	0.005	0.007
Cl	0.006	0.000	0.006
F	0.831	0.788	0.735
OH	0.164	0.212	0.259
Total	16.625	16.840	16.678