

Table A.3. Averaged EPMA data of blue-green elbaite samples (Barreto 1999).

Oxides (wt. %)	Samples		Average of the blue-green color group
	C4T	C14T	
SiO ₂	37.087	36.936	37.012
TiO ₂	0.006	bdl	0.003
B ₂ O ₃	13.542	13.983	13.763
Al ₂ O ₃	40.976	40.552	40.764
Bi ₂ O ₃	bdl	0.066	0.033
MgO	bdl	bdl	bdl
CaO	0.117	0.819	0.468
MnO	1.909	0.354	1.132
FeO	0.291	0.007	0.149
CuO	1.360	1.480	1.420
ZnO	0.063	0.027	0.045
Na ₂ O	2.129	1.819	1.974
H ₂ O	3.435	3.370	3.403
F	0.903	0.998	0.951
O=F	0.380	0.420	0.400
SUM	101.438	99.991	100.715
No. analyses	5	4	-
Si*	5.712	5.713	
Ti	0.001	0	
B	3.600	3.732	
Al	7.441	7.395	
Bi	0	0.003	
Mg	0	0	
Ca	0.019	0.136	
Mn	0.249	0.046	
Fe	0.038	0.001	
Cu	0.089	0.098	
Zn	0.007	0.003	
Na	0.636	0.545	
OH	3.528	3.477	
F	0.440	0.488	

bdl: below detection limit.

* The analyses were carried out for 28 oxygens. The values of H₂O were quantified by the loss of water obtained from the TGA-DTA method, considering standard samples of structural chemical formulas. Li values were obtained by ICP-MS, and B values by stoichiometric calculus. The F was analyzed by EPMA (Barreto 1999).