

APPENDIX 2

Chemical composition of the analysed chlorites

F ⁻ + Chl ⁻ = 0	Analysis	13.2.1	13.2.2	13.2.3	13.2.4	13.7.04	13.7.11
	Phase	sheridanite/clinochlore			nimite	chamosite	nimite
geochemical data [wt. %]	SiO ₂	28.348	27.675	27.00	27.453	30.203	25.815
	TiO ₂	<0.01	<0.01	<0.01	<0.01	0.354	<0.01
	Al ₂ O ₃	21.156	22.164	21.85	21.502	21.363	23.853
	FeO	9.103	10.502	10.82	9.421	13.463	14.204
	MnO	0.24	0.35	0.13	0.28	0.425	0.47
	MgO	27.308	26.235	26.26	27.173	20.816	22.532
	H ₂ O	12.218	12.227	12.073	12.125	12.11	11.965
	Total	98.373	99.153	98.133	97.954	98.734	98.839
structural form. [apfu per 18O]	Si	3.579	3.491	3.449	3.492	3.847	3.328
	Al _T (IV)	1.565	1.653	1.695	1.652	1.297	1.816
	Al _O	1.582	1.642	1.595	1.571	1.91	1.808
	Fe	0.961	1.108	1.156	1.002	1.434	1.531
	Mn	0.026	0.037	0.014	0.03	0.046	0.051
	Mg	5.139	4.934	5.001	5.153	3.952	4.33
param.	XFe	0.158	0.183	0.188	0.163	0.266	0.261
	Mg+Al ^{IV}	6.704	6.587	6.696	6.805	5.249	6.146
	Mg+Fe	6.1	6.042	6.157	6.155	5.386	5.861