

## APPENDIX 5

Chemical composition\* and number of atoms per formula unit (apfu)\*\*  
of accessory fluorapatite in phyllite from the Devon quarry.

	wt.%	S.D.	atoms	apfu	S.E.
CaO	54.73	0.45	Ca	10.025	0.035
SrO	0.14	0.11	Sr	0.014	0.004
MnO	0.03	0.02	Mn	0.004	0.001
FeO	0.18	0.07	Fe	0.026	0.004
Na <sub>2</sub> O	0.05	0.05	Na	0.017	0.007
La <sub>2</sub> O <sub>3</sub>	0.06	0.08	La	0.004	0.006
Ce <sub>2</sub> O <sub>3</sub>	0.16	0.16	Ce	0.010	0.004
Pr <sub>2</sub> O <sub>3</sub>	0.09	0.08	Pr	0.006	0.002
Nd <sub>2</sub> O <sub>3</sub>	0.15	0.13	Nd	0.009	0.003
$\Sigma$ 10.114					
P <sub>2</sub> O <sub>5</sub>	41.01	0.84	P	5.936	0.050
SiO <sub>2</sub>	0.12	0.08	Si	0.021	0.006
$\Sigma$ 5.956					
F	3.39	1.41	F	1.833	0.021
H <sub>2</sub> O	0.25		OH	0.167	0.021
Total	100.24				
-O(F)	1.43				
Corr. Total	98.81				

\*average of 6 microprobe analyses; \*\* using the calculation method of Ketcham (2015); H<sub>2</sub>O - calculated from the stoichiometry; S.D. – standard deviation; S.E. – standard error