

APPENDIX 2

Chemical EMP and calculated phase composition of low-Ca pyroxene in host rock, clasts and unequilibrated inclusions in the Pultusk breccia

[wt.%]	H3.8 inclusions			H4/H5 host rock				Clasts H5			Clasts H6	
Al ₂ O ₃	0.09	0.15	0.23	0.13	0.31	0.07	0.37	0.07	0.18	0.21	0.09	0.15
MgO	35.89	31.79	31.09	30.91	30.84	31.28	31.12	30.32	30.65	30.61	31.07	30.29
SiO ₂	58.11	56.57	55.86	56.24	56.23	56.68	56.07	56.29	56.46	55.88	56.15	55.89
TiO ₂	b.d.	0.12	0.17	0.11	0.13	0.08	0.33	0.03	0.12	0.19	b.d.	0.18
CaO	0.17	0.37	0.33	0.71	0.67	0.44	0.63	0.75	0.69	0.48	0.88	0.86
FeO	5.33	10.50	11.53	10.71	10.98	10.92	11.34	11.38	11.08	11.48	11.44	11.39
MnO	0.17	0.53	0.48	0.50	0.55	0.54	0.57	0.52	0.51	0.54	0.49	0.54
Cr ₂ O ₃	0.29	0.10	0.29	0.13	0.24	0.13	0.22	0.15	0.16	0.13	0.12	0.14
NiO	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	0.04	b.d.	b.d.	b.d.
Na ₂ O	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	0.03	b.d.	b.d.	b.d.
K ₂ O	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.
Total	100.04	100.12	100.02	99.43	99.95	100.14	100.64	99.51	99.91	99.53	100.24	99.44
En [mol%]	82.02	83.78	82.26	82.58	82.28	82.92	82.03	81.41	82.04	81.85	81.51	81.21
Fs [mol%]	7.67	15.52	17.11	16.05	16.44	16.24	16.77	17.14	16.63	17.22	16.83	17.13
Wo [mol%]	0.31	0.70	0.63	1.36	1.28	0.84	1.19	1.45	1.33	0.93	1.66	1.65

b.d. – below detection limit