

Table 6S - Plagioclase, grossular garnet and chlorapatite inclusions averaged major element compositions

Sample	16OM13	16OM16A	16OM17	16OM18	16OM20	16OM25	16OM17	16OM14	16OM16A	16OM16A	16OM17	16OM19	16OM16A	
Lithology	opx/pl/cpx dunite	opx/pl/cpx dunite	opx/pl/cpx dunite	amph- dunite (± pl/cpx)	opx/pl/cpx dunite	opx/pl/cpx dunite	opx/pl/cpx dunite	opx/pl/cpx dunite	opx/pl/cpx dunite	opx/pl/cpx dunite	opx/pl/cpx dunite	opx/pl/cpx dunite	amph-dunite (± pl/cpx)	opx/pl/cpx dunite
Longitude	57.936650	57.937188	57.937362	57.937525	57.937777	57.938641	57.937362	57.936904	57.937188	57.937188	57.937362	57.937619	57.937188	
Latitude	23.129234	23.129348	23.129405	23.129352	23.129236	23.128824	23.129405	23.129303	23.129348	23.129348	23.129405	23.129312	23.129348	
Elevation (m)	884	918	931	940	955	1016	931	900	918	918	931	945	918	
Mineral type	anorthitic plagioclase	anorthitic plagioclase	anorthitic plagioclase	anorthitic plagioclase	anorthitic plagioclase	anorthitic plagioclase	albitic feldspar	grossular garnet	grossular garnet	hydrogrossular garnet	grossular garnet	hydrogrossular garnet	chlorapatite	
n analyses	1	29	4	3	1	1	1	1	11	3	1	5	1	
SiO ₂	45.13	45.38	45.43	45.16	45.04	45.91	42.56	35.03	37.77	25.02	34.66	28.07	0.20	
TiO ₂	0.00	0.01	0.03	0.10	0.00	0.03	0.00	0.02	0.03	0.02	0.00	0.12	0.00	
Al ₂ O ₃	34.70	34.94	34.99	34.89	34.57	34.55	35.68	24.15	21.61	20.14	22.37	18.50	0.02	
Cr ₂ O ₃	0.63	0.61	0.45	0.63	0.59	0.38	0.40	1.10	0.54	0.59	0.17	0.65	0.42	
FeO (tot)	0.49	0.42	0.35	0.46	0.40	0.34	0.33	5.40	2.56	3.47	1.78	5.85	0.36	
MgO	0.02	0.07	0.03	0.04	0.03	0.04	0.06	0.88	0.49	0.12	0.24	1.24	0.11	
MnO	0.00	0.02	0.01	0.03	0.02	0.05	0.00	0.22	0.20	0.09	0.09	0.08	0.02	
NiO	0.05	0.01	0.01	0.02	0.00	0.01	0.00	0.04	0.03	0.02	0.03	0.03	0.02	
CaO	18.43	18.24	18.37	18.57	18.51	17.95	10.07	31.33	36.22	38.49	37.17	36.33	53.28	
Na ₂ O	1.08	1.23	1.29	1.07	1.17	1.52	10.93	0.10	0.03	0.04	0.23	0.05	0.06	
K ₂ O	0.02	0.01	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.00	
P ₂ O ₅	0.00	0.03	0.00	0.00	0.00	0.00	0.12	0.07	0.04	0.04	0.02	0.03	41.86	
F	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.05	0.10	0.05	0.03	0.14	0.68	
Cl	0.01	0.01	0.03	0.08	0.01	0.03	0.03	0.00	0.01	0.03	0.00	0.01	5.39	
Total	100.56	100.98	100.99	101.06	100.35	100.81	100.21	98.40	99.64	88.13	96.80	91.12	102.42	
An	90.31	89.04	88.73	90.55	89.63	86.67	33.71	-	-	-	-	-	-	

An = 100 × Ca/(Ca + Na + K)