

Table 1

Representative microprobe analyses of chromite from massive chromitites of the Veria (Galaktos) area

Sample	PGE-poor chromitites								PGE/PGM-rich chromitites					
	G.64 core	G.64 rim	G.64 core	G.64 rim	G.65 core	G.66 core	G.66 core	G.67 core	V.87 core	G.79 core	G.79 rim	G.79 core	G.79 core	G.79 core
Al ₂ O ₃	14,81	1,12	14,11	0,31	11.81	20.48	14,04	11,19	15,75	16,12	15,46	18.78	19,48	23,24
Cr ₂ O ₃	56,65	56,61	58,12	58,33	57.24	50.01	56,32	59,23	54,08	55,72	53,88	51.67	51,11	41,62
Fe ₂ O ₃	0,84	11,27	0,08	11,21	2.42	0.53	2,07	1,51	2,65	0,02	2,13	0.67	0,76	3,96
FeO	14,27	16,39	14,98	18,62	15.86	15.00	13,32	16,95	14,15	15,71	16,83	15.41	13,34	19,71
MgO	13,09	3,72	12,57	3,48	11.56	13.07	13,55	11,04	12,63	12,35	11,51	12.66	13,96	10,94
MnO	n.d.	9,51	n.d.	7,71	n.d.	n.d.	0,54	0,31	0,27	n.d.	n.d.	n.d.	0,37	0,41
Total	99,66	98,62	99,86	99,66	99.00	99.09	99,84	100,23	99,53	99,92	99,81	99.18	99,02	99,88
Cr/(Cr+Al)	71,96	97,12	73,23	99,01	76.49	62,1	72,91	78,09	70,42	69,87	70,04	64.61	63,74	54,56
Mg/(Mg+Fe ²⁺)	62,05	31,42	59,65	31,61	56,50	60,83	64,49	62,28	61,39	58,37	54,91	59.44	65,08	49,76

Sample	PGE/PGM-rich chromitites													
	G.79 core	G.80-1 core	G.80-1 core	G.80 core	G.80 core	G.80 core	G.80A2 core	G80A2 core	G80A3 core	G80A5 core	G.80A6 core	G.80A9 core	G.80B4 core	G.80D1 core
Al ₂ O ₃	16,34	14,64	12.42	11,36	10,79	15,07	13,61	11,18	10,8	17,33	13,05	13,89	14,99	7,24
Cr ₂ O ₃	54,37	56,5	58.67	60,77	60,77	56,01	55,71	58,85	57,01	51,85	57,81	55,77	54,26	64,42
Fe ₂ O ₃	1,58	0,12	0.43	0,11	0,35	0,85	1,5	2,67	4,17	2,22	2,29	3,49	3,93	2,29
FeO	13,45	15,99	15.22	16,48	15,93	15,34	13,61	12,68	12,37	11,27	14,79	9,91	11,01	12,02
MgO	13,45	11,84	12.04	11,28	11,42	12,42	12,9	14,59	13,5	14,84	12,77	15,61	15,13	13,81
MnO	n.d.	0,51	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Total	99,19	99,6	98.78	100	99,26	99,69	97,33	99,97	97,85	97,51	100,71	98,67	99,32	99,78
Cr/(Cr+Al)	63,12	72,13	76.01	78,19	79,09	71,37	73,31	77,91	77,98	67	74,81	72,91	70,82	85,57
Mg/(Mg+Fe ²⁺)	69,06	56,88	58.51	55,12	56,11	59,07	63	65,62	78	70	60,62	73,8	71	67,25

Symbols: n.d. = below detection limit; the TiO₂ and NiO contents are below detection limit.