

ANEXO 6 - DADOS DE QUÍMICA ANALÍTICA DA INTRUSÃO CANASTRA - 35

Análises de Granada - Kimberlito Canastra - 35

Nº Am.	G-001	G-002	G-003	G-004	G-005	G-006	G-007	G-008	G-009	G-010	G-011	G-012	G-013	G-014	G-015
SiO ₂	42.47	43.46	42.93	42.58	42.06	42.36	43.22	42.29	41.82	42.82	43.21	42.76	42.66	41.82	42.50
Al ₂ O ₃	20.77	20.05	18.91	19.77	20.14	19.50	19.64	18.69	19.53	19.58	19.13	19.58	19.56	17.60	19.24
MgO	19.87	20.62	21.50	20.98	21.77	21.26	20.70	21.12	21.90	22.28	21.20	21.59	21.08	19.44	21.17
FeO	8.28	7.48	6.72	6.95	6.79	6.97	6.77	7.22	6.91	6.83	7.33	7.23	6.82	7.96	6.98
CaO	4.82	4.88	5.42	4.91	4.85	5.06	5.48	5.38	5.44	5.28	5.10	5.07	5.14	6.01	5.09
Cr ₂ O ₃	2.24	3.27	4.18	3.15	2.42	3.78	4.74	4.31	4.76	3.51	3.90	3.08	4.03	6.33	3.37
MnO	0.21	0.21	0.35	0.40	0.22	0.25	0.36	0.37	0.37	0.29	0.23	0.46	0.35	0.58	0.33
TiO ₂	0.83	0.85	0.38	0.61	0.63	0.32	0.28	0.57	0.23	0.50	0.64	0.70	0.43	0.12	0.54
Na ₂ O	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.06	0.10	0.00	0.01	0.06	0.04	0.04
Total (%)	99.49	100.82	100.42	99.35	98.88	99.50	101.19	99.95	101.02	101.19	100.74	100.48	100.13	99.90	99.26

Nº Am.	G-016	G-017	G-018	G-019	G-020	G-021	G-022	G-023	G-024	G-025	G-026	G-027	G-028	G-029	G-030
SiO ₂	42.34	42.29	42.11	42.10	42.52	42.66	42.64	42.73	41.45	41.70	42.77	42.79	42.81	42.14	42.63
Al ₂ O ₃	20.10	19.11	19.56	20.02	20.02	21.41	21.02	20.99	19.15	19.01	20.15	20.29	19.04	20.56	18.84
MgO	21.79	22.24	20.81	21.05	22.12	20.98	21.06	20.43	21.15	19.55	21.58	21.79	20.82	22.75	21.43
FeO	6.72	6.90	6.98	6.90	7.01	7.52	7.36	6.48	7.40	7.58	6.83	6.53	6.80	7.32	7.06
CaO	4.78	5.10	5.02	4.74	5.03	5.07	4.75	4.85	5.79	5.54	5.17	4.95	4.97	4.52	5.12
Cr ₂ O ₃	2.95	4.43	3.62	2.94	3.38	2.57	2.37	3.36	4.11	5.79	3.76	2.78	3.83	2.24	3.98
MnO	0.43	0.20	0.32	0.23	0.33	0.27	0.43	0.27	0.33	0.47	0.25	0.22	0.25	0.32	0.33
TiO ₂	0.46	0.48	0.68	0.62	0.53	0.63	0.59	0.30	0.70	0.13	0.30	0.44	0.61	0.53	0.51
Na ₂ O	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.07	0.00	0.00	0.11	0.07	0.01
Total (%)	99.57	100.75	99.10	98.60	100.94	101.12	100.23	99.41	100.08	99.84	100.81	99.79	99.24	100.45	99.91

Nº Am.	G-031	G-032	G-033	G-034	G-035	G-036	G-037	G-038	G-039	G-040	G-041	G-042	G-043	G-044	G-045
SiO ₂	42.29	43.07	43.67	41.74	43.54	42.13	42.28	41.41	42.44	43.79	42.07	42.99	42.70	42.16	42.21
Al ₂ O ₃	20.62	19.93	19.27	19.43	19.26	19.23	17.59	15.46	19.06	21.09	18.53	19.93	19.24	19.10	19.54
MgO	20.83	21.49	20.20	22.98	21.20	21.47	19.38	20.69	20.96	21.06	21.49	20.84	20.03	20.21	19.37
FeO	7.12	7.04	6.84	6.53	6.97	7.02	6.49	6.66	7.08	6.67	6.71	6.93	8.08	7.54	8.36
CaO	4.76	5.00	5.06	4.98	5.42	5.32	5.91	6.62	5.32	4.75	5.21	4.77	5.20	5.22	5.17
Cr ₂ O ₃	3.28	3.18	4.05	3.46	3.45	3.89	6.80	8.75	4.25	2.45	4.22	2.47	5.16	5.50	4.14
MnO	0.27	0.27	0.26	0.26	0.27	0.36	0.38	0.26	0.31	0.22	0.27	0.38	0.49	0.46	0.38
TiO ₂	0.41	0.63	0.47	0.49	0.43	0.36	0.30	0.65	0.69	0.36	0.66	0.62	0.13	0.17	0.25
Na ₂ O	0.00	0.00	0.01	0.07	0.00	0.00	0.00	0.06	0.01	0.04	0.00	0.08	0.00	0.00	0.05
Total (%)	99.58	100.61	99.83	99.94	100.54	99.78	99.13	100.56	100.12	100.43	99.16	99.01	101.03	100.36	99.47

Análises de Granada - Kimberlito Canastra - 35

Nº Am.	G-046	G-047	G-048	G-049	G-050	G-051	G-052	G-053	G-054	G-055	G-056	G-057	G-058	G-059	G-060
SiO ₂	42.09	41.78	42.38	42.16	42.60	43.59	43.15	42.88	42.38	41.50	41.11	42.38	40.62	42.98	42.59
Al ₂ O ₃	20.04	17.86	20.13	18.90	19.38	19.68	20.75	20.04	21.00	19.00	20.99	19.97	16.09	18.31	18.96
MgO	21.21	19.14	21.13	20.55	21.26	21.67	22.02	21.27	19.96	20.66	20.73	21.93	19.93	20.19	19.68
FeO	7.20	7.58	7.12	7.26	7.00	7.35	7.02	6.70	8.74	9.18	7.77	6.82	6.66	7.34	8.09
CaO	4.83	5.78	5.21	5.16	5.30	4.71	4.87	5.14	4.91	5.41	5.64	5.06	6.66	5.50	5.42
Cr ₂ O ₃	2.78	6.31	3.61	5.44	4.27	2.36	1.92	3.60	2.70	1.85	3.29	3.61	8.85	5.77	5.18
MnO	0.50	0.43	0.42	0.44	0.37	0.33	0.36	0.36	0.47	0.35	0.39	0.27	0.28	0.61	0.68
TiO ₂	0.65	0.10	0.38	0.05	0.63	0.67	0.71	0.60	0.09	0.98	0.15	0.27	0.36	0.09	0.21
Na ₂ O	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.04	0.00	0.03	0.00	0.06	0.00
Total (%)	99.30	98.98	100.38	99.96	100.84	100.36	100.80	100.59	100.25	98.97	100.07	100.34	99.45	100.85	100.81

Nº Am.	G-061	G-062	G-063	G-064	G-065	G-066	G-067	G-068	G-069	G-070	G-071	G-072	G-073	G-074	G-075
SiO ₂	43.07	42.50	42.61	41.96	42.88	41.34	42.12	43.23	42.91	43.06	41.84	42.75	42.67	41.30	42.16
Al ₂ O ₃	20.77	18.97	15.04	20.33	20.40	18.09	15.77	20.60	19.00	19.35	18.59	21.67	20.38	20.44	19.38
MgO	20.23	20.46	22.37	19.91	21.86	20.20	17.88	22.03	22.06	19.94	19.92	20.94	20.97	20.69	20.63
FeO	8.06	7.44	6.24	7.64	7.15	7.55	7.02	7.22	6.99	8.21	8.12	7.50	7.22	7.32	6.92
CaO	5.20	5.07	4.98	5.12	4.87	5.99	6.98	4.65	5.24	5.28	5.68	4.65	4.84	5.11	5.48
Cr ₂ O ₃	2.94	4.56	9.48	4.13	3.24	7.07	9.20	2.91	4.16	4.54	5.76	1.57	2.60	3.12	4.49
MnO	0.40	0.24	0.28	0.70	0.29	0.66	0.30	0.32	0.39	0.53	0.76	0.30	0.17	0.41	0.29
TiO ₂	0.18	0.53	0.11	0.17	0.55	0.08	0.44	0.46	0.21	0.12	0.06	0.72	0.67	0.62	0.54
Na ₂ O	0.06	0.06	0.00	0.08	0.04	0.00	0.10	0.05	0.00	0.00	0.04	0.00	0.02	0.07	0.00
Total (%)	100.91	99.83	101.11	100.04	101.28	100.98	99.81	101.47	100.96	101.03	100.77	100.10	99.54	99.08	99.89

Nº Am.	G-076	G-077	G-078	G-079	G-080	G-081	G-082	G-083	G-084	G-085	G-086	G-087	G-088	G-089	G-090
SiO ₂	40.97	41.81	42.70	42.68	43.00	41.42	42.20	41.54	41.33	41.40	41.74	41.92	41.83	41.49	41.44
Al ₂ O ₃	18.10	19.28	19.63	18.32	20.31	19.80	19.40	19.48	19.31	14.94	18.47	18.43	20.31	14.70	19.07
MgO	18.99	21.08	20.80	21.04	21.35	19.93	21.61	20.16	22.61	19.34	19.57	20.94	20.24	19.83	22.34
FeO	7.64	7.86	8.16	6.68	7.50	7.67	7.23	8.10	6.82	6.57	7.95	6.45	7.87	7.14	6.28
CaO	5.86	5.13	5.06	6.19	4.64	5.14	5.04	5.43	5.07	7.51	6.08	5.64	5.41	7.17	5.23
Cr ₂ O ₃	6.21	3.68	3.64	5.96	2.12	4.17	3.63	3.08	3.84	10.50	6.03	5.16	4.99	9.07	4.65
MnO	0.63	0.32	0.35	0.23	0.34	0.67	0.27	0.35	0.25	0.31	0.47	0.28	0.45	0.41	0.37
TiO ₂	0.15	0.82	0.65	0.28	0.56	0.12	0.60	0.60	0.26	0.14	0.24	0.34	0.12	0.92	0.38
Na ₂ O	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.05	0.10	0.02	0.01	0.00	0.02	0.02	0.00
Total (%)	98.57	99.98	100.99	101.38	99.83	98.92	99.98	98.79	99.59	100.73	100.56	99.16	101.24	100.75	99.76

Análises de Granada - Kimberlito Canastra - 35

Nº Am.	G-091	G-092	G-093	G-094	G-095	G-096	G-097	G-098	G-099	G-100	G-101	G-102	G-103	G-104	G-105
SiO₂	41.76	41.50	40.14	43.40	40.54	43.09	42.06	41.59	42.74	42.57	42.64	43.94	41.76	41.59	41.55
Al₂O₃	20.48	16.43	13.14	18.95	20.19	20.12	19.74	18.73	19.25	18.70	20.56	19.81	20.17	18.17	19.36
MgO	20.49	19.84	18.82	19.73	20.67	21.58	21.49	20.93	21.56	19.08	22.20	21.09	21.15	19.23	19.96
FeO	8.29	6.77	7.64	7.88	8.34	7.46	6.50	7.50	7.07	8.15	7.21	6.87	6.94	7.66	8.26
CaO	4.98	7.30	7.77	5.48	5.26	4.96	5.30	5.67	4.89	5.27	4.77	4.54	4.88	5.76	6.01
Cr₂O₃	2.32	8.23	11.12	3.14	2.70	2.25	3.79	5.70	3.21	4.73	2.59	3.63	3.17	5.43	5.69
MnO	0.36	0.32	0.36	0.28	0.36	0.36	0.21	0.54	0.31	0.56	0.31	0.23	0.37	0.50	0.44
TiO₂	0.73	0.09	0.97	0.78	0.90	0.72	0.55	0.16	0.54	0.16	0.69	0.41	0.60	0.19	0.11
Na₂O	0.05	0.00	0.15	0.00	0.00	0.11	0.11	0.00	0.04	0.02	0.02	0.00	0.02	0.00	0.00
Total (%)	99.46	100.48	100.11	99.64	98.96	100.65	99.75	100.82	99.61	99.24	100.99	100.52	99.06	98.53	101.38

Nº Am.	G-106	G-107	G-108	G-109	G-110	G-111	G-112	G-113	G-114	G-115	G-116	G-117	G-118
SiO₂	43.07	42.60	42.55	42.75	42.04	42.08	42.14	43.67	43.22	42.36	43.85	41.46	42.95
Al₂O₃	21.12	20.49	20.54	20.02	17.76	20.27	17.14	20.40	19.52	19.85	19.58	20.60	19.29
MgO	20.66	21.32	20.04	22.48	22.15	22.72	20.36	21.95	21.67	22.34	21.62	21.64	20.54
FeO	7.85	7.07	8.77	6.51	6.45	6.60	6.63	6.91	6.82	7.07	6.73	7.30	7.48
CaO	4.87	4.75	4.77	4.71	5.40	4.82	6.18	4.85	5.25	5.13	5.14	4.85	5.21
Cr₂O₃	2.11	2.71	1.38	2.47	4.50	3.04	7.12	2.46	2.74	2.64	3.32	2.59	3.23
MnO	0.33	0.35	0.26	0.23	0.32	0.35	0.40	0.26	0.26	0.35	0.36	0.25	0.41
TiO₂	0.71	0.34	0.75	0.38	0.71	0.44	0.67	0.39	0.55	0.64	0.44	0.52	0.73
Na₂O	0.05	0.00	0.04	0.01	0.00	0.04	0.00	0.07	0.02	0.00	0.07	0.00	0.00
Total (%)	100.77	99.63	99.10	99.56	99.33	100.36	100.64	100.96	100.05	100.38	101.11	99.21	99.84

Análises de Ilmenita - Kimberlito Canastra - 35

Nº Am.	I-001	I-002	I-003	I-004	I-005	I-006	I-007	I-008	I-009	I-010	I-011	I-012	I-013	I-014	I-015
SiO ₂	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al ₂ O ₃	0.51	0.27	0.32	0.32	0.52	0.54	0.37	0.41	0.35	0.16	0.19	0.33	0.58	0.10	0.76
MgO	11.30	10.01	10.47	10.70	12.35	12.45	11.47	11.45	10.85	7.40	7.30	12.20	12.07	8.75	14.39
FeO	32.24	37.36	36.11	36.03	31.75	31.54	33.82	34.43	36.44	42.46	43.96	33.48	31.23	38.30	25.77
CaO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cr ₂ O ₃	0.32	0.25	0.27	0.29	0.52	0.53	0.34	0.28	0.27	3.53	0.84	0.31	0.39	5.45	1.17
MnO	0.65	0.38	0.28	0.33	0.31	0.33	0.37	0.35	0.33	0.33	0.59	0.42	0.55	0.38	0.69
TiO ₂	54.85	49.89	51.74	52.59	54.29	54.60	52.06	52.74	51.97	45.16	45.61	52.50	54.41	45.87	56.34
Na ₂ O	0.00	0.01	0.01	0.01	0.00	0.05	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.03
Total (%)	99.87	98.17	99.20	100.27	99.74	100.04	98.44	99.66	100.25	99.04	98.49	99.24	99.23	98.85	99.15
Fe ₂ O ₃	3.71	10.72	8.52	8.14	5.25	4.96	7.82	7.76	9.37	15.37	16.55	8.44	4.37	13.03	1.45

Nº Am.	I-016	I-017	I-018	I-019	I-020	I-021	I-022	I-023	I-024	I-025	I-026	I-027	I-028	I-029	I-030
SiO ₂	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al ₂ O ₃	0.90	0.12	0.17	0.34	0.76	0.63	0.63	0.33	0.34	0.39	0.73	0.53	0.58	0.33	0.60
MgO	14.41	7.70	9.30	11.14	13.00	11.60	11.98	10.49	12.22	9.86	12.50	14.41	11.94	10.79	13.37
FeO	28.29	42.35	41.99	34.93	31.81	37.96	33.03	37.00	33.83	41.26	30.90	29.19	32.59	35.51	30.50
CaO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cr ₂ O ₃	1.06	0.55	0.76	0.27	0.68	0.93	0.33	0.76	0.40	0.77	0.59	0.70	0.32	0.32	0.49
MnO	0.31	0.37	0.42	0.33	0.27	0.28	0.34	0.33	0.30	0.24	0.24	0.33	0.18	0.34	0.74
TiO ₂	54.46	47.44	45.35	52.47	51.93	47.76	53.25	49.62	53.35	46.63	54.26	55.43	53.29	52.34	54.04
Na ₂ O	0.01	0.00	0.01	0.04	0.00	0.02	0.04	0.06	0.00	0.19	0.00	0.01	0.01	0.00	0.01
Total (%)	99.44	98.53	98.00	99.52	98.45	99.18	99.60	98.59	100.44	99.34	99.22	100.60	98.91	99.63	99.75
Fe ₂ O ₃	5.31	13.79	18.21	7.93	8.55	15.97	6.84	11.41	7.93	17.14	4.62	5.36	6.13	8.02	6.48

Nº Am.	I-031	I-032	I-033	I-034	I-035	I-036	I-037	I-038	I-039	I-040	I-041	I-042	I-043	I-044	I-045
SiO ₂	0.00	0.03	0.00	0.01	0.00	0.03	0.00	0.00	0.02	0.02	0.02	0.00	0.00	0.03	0.01
Al ₂ O ₃	0.28	0.25	0.43	0.19	0.52	0.15	0.10	0.31	0.40	0.46	0.09	0.35	0.46	0.24	0.28
MgO	11.69	12.94	13.68	12.15	12.50	11.99	9.54	13.30	13.05	13.57	7.85	13.70	13.39	13.17	14.55
FeO	34.04	32.00	30.69	34.45	31.97	33.07	40.73	31.74	31.89	30.24	43.12	31.57	31.19	32.64	28.72
CaO	0.00	0.00	0.01	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
Cr ₂ O ₃	0.29	0.26	0.42	0.24	0.32	0.25	0.31	0.33	0.37	0.47	0.68	0.24	0.43	0.21	0.22
MnO	0.43	0.28	0.29	0.36	0.24	0.33	0.39	0.35	0.31	0.79	0.33	0.44	0.26	0.39	1.09
TiO ₂	51.58	53.66	54.39	52.70	53.05	52.95	49.12	53.78	53.76	54.32	46.13	52.80	53.48	52.41	54.12
Na ₂ O	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.06	0.02	0.00	0.00
Total (%)	98.39	99.42	99.91	100.10	98.65	98.78	100.19	99.83	99.80	99.87	98.22	99.16	99.23	99.09	99.04
Fe ₂ O ₃	8.92	7.09	6.45	9.08	6.78	7.16	13.95	7.43	7.12	6.37	15.96	8.95	7.22	9.37	7.08

Análises de Ilmenita - Kimberlito Canastra - 35

Nº Am.	I-046	I-047	I-048	I-049	I-050	I-051	I-052	I-053	I-054	I-055	I-056	I-057	I-058	I-059	I-060
SiO ₂	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.13	0.02	0.00	0.01	0.01	0.00	0.05	0.02
Al ₂ O ₃	0.34	0.17	0.22	0.66	0.39	0.38	0.40	0.40	0.29	0.56	0.17	0.75	0.42	0.42	0.41
MgO	14.34	12.03	13.03	13.05	13.82	13.02	13.35	12.39	13.49	15.93	11.90	15.09	14.63	15.66	10.23
FeO	29.23	32.03	32.51	31.56	31.83	30.49	30.97	26.29	31.23	28.28	35.57	30.28	29.53	25.87	36.86
CaO	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.29	0.01	0.00	0.00	0.00	0.00	0.03	0.03
Cr ₂ O ₃	0.23	0.27	0.20	0.25	0.24	0.42	0.39	0.24	0.25	0.27	0.18	0.22	0.27	0.38	0.20
MnO	1.46	1.59	0.39	0.58	0.31	1.28	1.22	1.90	0.80	0.38	0.41	0.39	0.75	3.17	0.43
TiO ₂	53.44	53.19	52.26	51.62	53.72	53.61	53.20	57.02	53.93	55.20	51.82	53.74	54.72	54.75	50.72
Na ₂ O	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.10
Total (%)	99.04	99.30	98.61	97.72	100.32	99.21	99.54	98.66	100.02	100.62	100.06	100.48	100.33	100.33	99.00
Fe ₂ O ₃	8.21	7.25	9.13	8.98	8.46	6.78	8.16	-0.98	7.58	7.41	10.59	9.24	7.15	7.75	9.92

Nº Am.	I-061	I-062	I-063	I-064	I-065	I-066	I-067	I-068	I-069	I-070	I-071	I-072	I-073	I-074	I-075
SiO ₂	0.02	0.00	0.09	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
Al ₂ O ₃	0.44	0.37	0.38	0.48	0.43	0.07	0.47	0.39	0.41	0.24	0.46	0.51	0.42	0.33	0.46
MgO	13.08	12.18	14.98	15.18	14.20	10.12	14.03	14.88	13.19	10.94	14.09	12.32	11.25	11.28	11.58
FeO	32.30	32.53	26.25	28.23	30.97	37.16	32.44	29.58	32.05	40.04	29.93	31.07	33.11	35.12	33.47
CaO	0.00	0.00	0.06	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cr ₂ O ₃	0.38	0.26	0.50	0.41	0.30	0.18	0.21	0.49	0.35	0.83	0.42	0.46	0.36	0.28	0.34
MnO	0.36	0.83	2.01	1.37	0.34	0.37	0.29	0.45	0.35	0.23	0.26	0.31	0.42	0.43	0.37
TiO ₂	53.55	53.41	55.71	54.01	54.00	50.26	51.17	54.69	52.71	44.68	53.16	53.89	52.90	52.10	53.57
Na ₂ O	0.00	0.04	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05
Total (%)	100.13	99.62	100.05	99.71	100.25	98.16	98.64	100.51	99.06	96.96	98.36	98.56	98.46	99.56	99.84
Fe ₂ O ₃	7.82	7.05	4.88	8.10	8.06	10.37	11.72	7.37	8.51	19.59	7.50	4.88	6.01	8.81	6.31

Nº Am.	I-076	I-077	I-078	I-079
SiO ₂	0.00	0.00	0.00	0.00
Al ₂ O ₃	1.04	0.46	0.64	0.54
MgO	11.16	12.83	12.80	11.27
FeO	36.68	31.67	31.66	32.21
CaO	0.00	0.00	0.00	0.00
Cr ₂ O ₃	0.90	0.53	0.52	0.43
MnO	0.23	0.33	0.32	0.63
TiO ₂	48.43	53.86	54.59	54.89
Na ₂ O	0.02	0.00	0.00	0.00
Total (%)	98.46	99.68	100.53	99.97
Fe ₂ O ₃	13.25	6.43	5.70	3.57

Análises de Espinélio - Kimberlito Canastra - 35

Nº Am.	S-001	S-002	S-003	S-004	S-005	S-006	S-007	S-008	S-009	S-010	S-011	S-012	S-013	S-014	S-015
SiO ₂	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al ₂ O ₃	2.12	6.36	2.25	7.68	8.81	9.10	2.38	8.86	3.69	2.27	7.68	7.92	2.24	2.76	6.35
MgO	7.79	9.77	8.95	10.05	9.96	9.79	7.67	10.72	9.77	7.64	9.54	11.19	9.37	9.58	8.39
FeO	31.41	24.66	31.39	21.18	20.36	19.72	37.56	23.45	27.79	35.55	27.23	21.68	27.71	27.56	23.99
CaO	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cr ₂ O ₃	53.72	58.06	53.00	59.57	59.65	58.93	47.43	56.59	56.88	50.09	54.14	58.87	58.40	56.82	58.53
MnO	0.49	0.38	0.44	0.42	0.36	0.30	0.47	0.37	0.45	0.50	0.41	0.36	0.53	0.57	0.45
TiO ₂	2.99	0.22	2.82	0.29	0.22	0.34	3.58	0.59	0.51	2.82	1.53	0.78	2.18	2.20	0.28
Na ₂ O	0.02	0.04	0.04	0.00	0.00	0.00	0.03	0.00	0.02	0.06	0.02	0.01	0.00	0.00	0.02
Total (%)	98.54	99.49	98.89	99.19	99.36	98.23	99.12	100.58	99.11	98.93	100.55	100.81	100.43	99.49	98.01

Nº Am.	S-016	S-017	S-018	S-019	S-020	S-021	S-022	S-023	S-024	S-025	S-026	S-027	S-028	S-029	S-030
SiO ₂	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al ₂ O ₃	4.96	2.65	8.46	8.90	7.20	8.94	8.00	9.44	2.39	5.89	7.61	8.89	2.59	8.81	8.77
MgO	8.23	9.18	9.44	10.21	8.75	9.83	10.03	9.98	8.71	9.54	8.31	11.47	7.59	9.42	9.10
FeO	22.91	30.08	20.59	20.11	24.66	21.87	25.31	21.91	33.09	18.44	27.36	19.27	34.54	21.37	25.41
CaO	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cr ₂ O ₃	59.90	54.47	58.93	59.72	57.75	57.34	56.02	58.05	52.50	63.04	54.56	59.27	50.40	58.22	54.96
MnO	0.43	0.48	0.30	0.35	0.34	0.36	0.46	0.36	0.50	0.37	0.54	0.38	0.50	0.34	0.33
TiO ₂	1.79	2.47	0.77	0.22	0.28	0.51	0.46	0.22	2.81	1.03	0.79	0.18	2.53	0.32	0.56
Na ₂ O	0.00	0.00	0.00	0.03	0.02	0.04	0.00	0.00	0.00	0.01	0.06	0.03	0.00	0.00	0.04
Total (%)	98.28	99.33	98.49	99.54	99.00	98.89	100.28	99.96	100.00	98.32	99.23	99.49	98.15	98.48	99.17

Nº Am.	S-031	S-032	S-033	S-034	S-035	S-036	S-037	S-038	S-039	S-040	S-041	S-042	S-043	S-044	S-045
SiO ₂	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al ₂ O ₃	9.00	7.59	7.85	9.28	8.75	8.02	8.83	7.75	26.88	8.22	8.77	2.49	4.56	2.14	8.76
MgO	9.30	9.07	9.23	9.69	10.54	9.05	10.12	9.67	13.03	10.13	11.09	7.47	7.59	9.10	10.18
FeO	20.80	26.25	23.79	21.63	19.02	21.40	22.33	25.65	15.89	19.99	20.67	42.14	31.95	28.95	19.96
CaO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cr ₂ O ₃	58.42	54.16	57.09	58.31	60.50	59.20	57.59	55.44	43.87	59.11	58.53	42.55	53.59	55.80	58.95
MnO	0.35	0.37	0.35	0.39	0.37	0.35	0.35	0.47	0.33	0.37	0.40	0.46	0.43	0.47	0.38
TiO ₂	0.25	1.53	0.53	0.31	0.06	0.20	0.55	0.33	0.00	0.30	0.17	4.40	0.30	2.37	0.36
Na ₂ O	0.04	0.00	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (%)	98.16	98.97	98.84	99.65	99.24	98.24	99.77	99.31	100.00	98.12	99.63	99.51	98.42	98.83	98.59

Análises de Espinélio - Kimberlito Canastra - 35

Nº Am.	S-046	S-047	S-048	S-049	S-050	S-051	S-052	S-053	S-054	S-055	S-056	S-057	S-058	S-059	S-060
SiO ₂	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al ₂ O ₃	8.74	9.22	2.13	6.42	8.11	8.79	8.44	8.07	16.05	8.77	8.62	9.43	3.57	5.33	8.35
MgO	11.00	9.96	8.88	9.91	9.31	9.90	10.77	10.96	9.69	10.93	9.69	9.51	7.80	7.00	8.67
FeO	20.80	20.37	32.54	21.97	21.34	21.50	22.35	21.88	30.12	20.82	20.62	21.16	32.20	32.86	20.72
CaO	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cr ₂ O ₃	58.20	58.65	52.09	56.67	59.26	59.36	57.00	57.92	42.72	58.31	58.98	58.57	52.45	53.21	59.56
MnO	0.40	0.26	0.49	0.25	0.40	0.38	0.36	0.38	0.43	0.38	0.38	0.35	0.45	0.40	0.33
TiO ₂	0.05	0.74	2.92	2.62	0.12	0.07	0.74	0.14	0.42	0.45	0.33	0.11	1.84	0.37	0.37
Na ₂ O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.02
Total (%)	99.19	99.20	99.05	98.15	98.54	100.00	99.66	99.35	99.43	99.67	98.62	99.16	98.31	99.17	98.02

Nº Am.	S-061	S-062	S-063	S-064	S-065	S-066	S-067	S-068	S-069	S-070	S-071	S-072	S-073	S-074	S-075
SiO ₂	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al ₂ O ₃	4.67	2.26	8.56	8.76	9.37	13.66	6.06	8.85	2.02	1.97	8.80	7.78	2.64	8.82	9.71
MgO	7.96	9.05	9.80	8.77	9.32	10.11	9.26	9.98	8.46	7.94	9.83	10.70	6.94	10.24	9.34
FeO	34.61	29.88	20.76	20.84	21.29	32.49	26.60	20.71	35.01	26.47	21.14	23.27	38.88	21.14	21.09
CaO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cr ₂ O ₃	50.69	54.43	59.46	59.13	59.19	41.93	55.93	59.45	50.45	59.92	58.51	57.07	47.91	59.06	57.56
MnO	0.47	0.49	0.38	0.39	0.44	0.39	0.42	0.38	0.50	0.43	0.37	0.33	0.48	0.37	0.36
TiO ₂	1.05	2.51	0.47	0.15	0.04	0.34	0.31	0.09	3.35	1.85	0.36	0.12	1.65	0.26	0.12
Na ₂ O	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.02	0.00	0.00	0.00	0.01	0.02	0.00	0.01
Total (%)	99.45	98.62	99.43	98.04	99.65	98.95	98.59	99.48	99.79	98.58	99.01	99.28	98.52	99.89	98.19

Nº Am.	S-076	S-077	S-078	S-079	S-080	S-081	S-082	S-083	S-084	S-085	S-086	S-087	S-088	S-089	S-090
SiO ₂	0.00	0.00	0.00	0.00	0.05	0.02	0.05	0.05	0.04	0.02	0.00	0.05	0.03	0.00	0.06
Al ₂ O ₃	8.82	8.10	7.30	2.18	5.42	2.63	26.92	4.41	5.54	1.74	8.20	9.21	9.80	7.86	9.04
MgO	9.51	10.53	10.17	7.56	10.35	6.73	12.79	7.94	8.00	7.57	10.46	10.31	9.08	10.87	9.86
FeO	21.31	21.56	23.89	41.43	24.16	29.80	17.65	25.59	27.07	39.92	21.11	20.57	20.10	20.73	21.59
CaO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.03
Cr ₂ O ₃	58.48	58.53	56.99	43.48	57.54	56.11	41.82	58.76	57.07	44.83	58.46	57.68	59.20	59.32	56.41
MnO	0.34	0.40	0.40	0.47	0.44	0.51	0.34	0.46	0.47	0.50	0.38	0.41	0.38	0.36	0.37
TiO ₂	0.15	0.24	0.15	4.72	0.48	2.31	0.25	1.16	0.86	3.98	0.69	0.38	0.27	0.07	0.73
Na ₂ O	0.00	0.02	0.00	0.01	0.00	0.00	0.04	0.11	0.07	0.23	0.10	0.29	0.10	0.00	0.09
Total (%)	98.61	99.38	98.90	99.85	98.44	98.11	99.86	98.49	99.15	98.80	99.40	98.90	98.96	99.21	98.18

Análises de Espinélio - Kimberlito Canastra - 35

Nº Am.	S-091	S-092	S-093	S-094	S-095	S-096	S-097	S-098	S-099	S-100	S-101	S-102	S-103	S-104	S-105
SiO₂	0.00	0.04	0.07	0.05	0.00	0.24	0.02	0.02	0.04	0.04	0.05	0.04	0.05	0.05	0.09
Al₂O₃	8.44	7.53	8.21	8.37	36.16	6.11	7.81	2.26	8.31	7.91	8.49	2.06	2.17	8.77	8.36
MgO	10.05	7.77	11.27	10.13	15.15	13.26	10.59	7.84	10.14	10.68	11.01	8.48	8.15	10.71	10.99
FeO	19.49	26.19	20.68	20.58	14.38	21.10	19.55	27.83	21.68	19.81	21.02	40.45	36.72	20.40	20.42
CaO	0.00	0.03	0.02	0.02	0.00	0.02	0.03	0.01	0.02	0.01	0.02	0.01	0.02	0.00	0.02
Cr₂O₃	60.15	56.07	58.04	58.31	32.56	56.93	61.47	59.00	59.84	61.57	59.10	43.23	48.77	57.84	58.71
MnO	0.35	0.55	0.42	0.39	0.20	0.38	0.46	0.53	0.47	0.41	0.47	0.48	0.56	0.46	0.41
TiO₂	0.21	0.22	0.46	0.31	0.07	2.61	0.54	2.48	0.29	0.50	0.40	4.79	3.50	0.39	0.46
Na₂O	0.00	0.07	0.11	0.04	0.08	0.06	0.06	0.04	0.03	0.00	0.09	0.00	0.08	0.14	0.13
Total (%)	98.69	98.47	99.28	98.20	98.60	100.71	100.53	100.01	100.82	100.93	100.65	99.54	100.02	98.76	99.59

Nº Am.	S-106	S-107	S-108	S-109	S-110	S-111	S-112	S-113	S-114	S-115	S-116	S-117	S-118	S-119	S-120
SiO₂	0.03	0.09	0.10	0.05	0.04	0.05	0.06	0.07	0.00	0.00	0.00	0.00	0.04	0.00	0.00
Al₂O₃	4.20	8.26	2.65	9.39	9.14	19.57	9.35	10.43	6.48	3.39	1.70	8.27	11.71	2.12	9.03
MgO	7.79	11.36	7.69	10.34	9.78	10.23	11.25	9.89	9.16	9.36	6.62	9.17	10.44	8.10	9.76
FeO	26.62	20.21	26.00	21.42	20.79	27.09	19.03	20.09	23.53	29.89	45.26	20.80	15.13	37.09	22.01
CaO	0.03	0.02	0.03	0.00	0.01	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.00
Cr₂O₃	57.89	58.51	57.66	56.56	57.59	41.69	58.72	57.27	58.90	54.51	39.01	59.82	60.63	47.39	56.60
MnO	0.48	0.42	0.47	0.42	0.42	0.46	0.45	0.43	0.39	0.45	0.51	0.40	0.34	0.46	0.43
TiO₂	1.10	0.42	2.74	0.81	0.53	0.55	0.31	0.50	0.24	2.00	5.10	0.20	0.34	3.54	0.67
Na₂O	0.00	0.16	0.19	0.03	0.12	0.08	0.03	0.08	0.00	0.03	0.02	0.01	0.00	0.02	0.06
Total (%)	98.14	99.45	97.53	99.02	98.42	99.72	99.23	98.77	98.70	99.63	98.22	98.67	98.67	98.72	98.56