ANEXO 8 - DADOS DE QUÍMICA ANALÍTICA DA INTRUSÃO RÉGIS

Análises de Granadas - Kimberlito Régis															
Nº Am.	SU1-G1	SU1-G2	SU1-G3	SU1-G4	SU1-G5	SU1-G6	SU1-G7	SU1-G8	AR2-G1	AR2-G2	AR2-G3	AR2-G4	AR2-G5	AR2-G6	AR2-G7
SiO_2	42.24	42.33	42.62	42.49	42.63	42.24	41.91	41.87	41.85	42.16	41.48	41.67	41.56	41.67	41.59
Al_2O_3	22.53	21.06	22.06	21.46	22.02	22.03	21.13	22.42	21.41	20.95	20.63	21.01	21.14	21.13	22.15
MgO	19.62	18.91	19.49	18.76	18.99	18.94	17.68	17.65	19.11	19.27	18.17	18.24	18.25	18.19	20.11
FeO	9.19	8.29	8.82	8.09	8.42	8.26	8.95	10.58	8.53	8.17	11.44	8.91	9.28	9.38	8.59
CaO	3.95	5.25	4.23	5.29	4.89	4.95	5.66	4.81	5.16	5.26	5.37	5.76	5.48	5.41	3.83
Cr_2O_3	1.69	3.71	2.39	3.28	2.48	2.44	3.63	1.49	3.34	3.69	1.48	3.78	3.6	3.55	2.35
MnO	0.46	0.44	0.43	0.43	0.45	0.41	0.49	0.46	0.43	0.45	0.33	0.51	0.5	0.46	0.44
TiO_2	0.12	0.05	0.15	0.11	0.07	0.23	0.05	0.22	0.07	0.01	1.37	0.05	0.05	0.03	0.17
Na_2O	0.05	0.01	0.04	0.02	0.02	0.04	0.03	0.06	0.01	0.01	0.09	0.02	0.03	0.02	0.04
Total (%).	99.84	100.05	100.21	99.93	99.98	99.53	99.53	99.56	99.91	99.95	100.36	99.95	99.89	99.83	99.27

Nº Am.	AR2-G8	AR2-G9	AR2-G10	AR2-G11	REG-90	REG-91	REG-92	REG-93	REG-94	REG-95	REG-97	REG-98	REG-99	REG-100	SU6-G1
SiO_2	40.61	41.78	41.35	41.35	41.37	41.15	40.36	40.53	40.93	40.86	40.81	40.98	40.95	41.82	41.15
Al_2O_3	20.76	21.53	20.81	21.35	22.02	20.87	18.89	20.67	21.92	20.04	20.89	21.67	20.17	21.91	21.65
MgO	17.72	18.91	17.54	18.07	19.2	18.89	18.94	18.96	19.21	19.35	18.84	18.94	19.52	19.24	20.41
FeO	9.52	8.89	9.22	9.21	6.66	6.94	6.01	6.86	6.85	6.57	6.81	6.95	7.09	7.55	9.49
CaO	5.74	5.03	6.09	5.49	6.09	6.01	5.91	6.03	5.38	5.73	5.76	5.77	4.85	5.59	4.12
Cr_2O_3	3.96	3.08	4.11	3.31	3.59	5.02	7.61	5.01	3.62	5.72	4.79	4.49	5.82	3.63	2.41
MnO	0.55	0.44	0.54	0.44	0.41	0.51	0.48	0.49	0.51	0.48	0.48	0.52	0.49	0.52	0.41
TiO_2	0.09	0.15	0.03	0.02	0.05	0.14	0.11	0.11	0.26	0.23	0.14	0.15	0.19	0.09	0.18
Na_2O	0.03	0.02	0.02	0.02	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.02
Total (%).	98.99	99.84	99.71	99.25	99.37	99.53	98.31	98.68	98.68	98.98	98.52	99.46	99.09	100.35	99.84

Nº Am.	SU6-G2	SU6-G3	SU6-G4	SU6-G5	SU6-G6	SU6-G7	SU6-G8	AR3-G1	AR3-G2	AR3-G3	AR3-G4	AR3-G5	AR3-G6	AR3-G7	AR3-G8
SiO_2	42.22	42.27	41.64	42.16	42.13	41.86	42.19	41.17	41.72	41.36	40.97	41.68	41.25	41.09	41.18
Al_2O_3	22.64	22.03	21.05	21.85	22.2	22.13	20.35	20.09	22.44	21.95	22.12	21.6	20.86	20.03	21.38
MgO	21.26	20.85	20.09	20.88	20.92	20.49	22.49	18.4	19.32	19.19	19.43	19.39	18.47	18.62	18.47
FeO	8.69	8.98	8.81	8.49	8.52	8.62	6.57	9.32	9.15	8.97	9.39	8.24	9.44	8.77	9.72
CaO	4.01	4.16	4.81	4.31	4.33	4.71	4.65	4.71	4.06	4.06	4.33	4.38	4.41	4.72	4.38
Cr_2O_3	1.55	2.21	3.45	1.77	2.04	2.18	2.97	4.27	1.34	2.24	1.91	2.79	3.33	4.84	2.62
MnO	0.35	0.38	0.48	0.34	0.19	0.39	0.22	0.43	0.44	0.41	0.41	0.46	0.43	0.47	0.39
TiO_2	0.18	0.14	0.19	0.36	0.35	0.04	0.41	0.18	0.13	0.15	0.38	0.15	0.11	0.16	0.16
Na_2O	0.04	0.03	0.04	0.06	0.03	0.03	0.06	0.06	0.02	0.03	0.07	0.04	0.02	0.04	0.05
Total (%).	100.94	101.05	100.56	100.22	100.71	100.45	99.91	98.63	98.63	98.37	99.01	98.73	98.32	98.74	98.37

Análises de Granadas - Kimberlito Régis

Nº Am.	AR3-G9	AR3-G10	REG-26	REG-27	REG-28	REG-29	REG-30	REG-31	REG-32	REG-33	REG-34	REG-35	SU2-G1	SU2-G3	SU2-G4
SiO_2	40.25	41.39	40.21	40.97	40.43	40.41	40.51	40.59	40.42	40.63	40.89	39.94	41.87	41.94	41.79
Al_2O_3	20.71	21.64	18.32	21.33	20.64	19.16	21.03	21.37	20.53	21.66	21.34	18.25	22.65	23.33	22.97
MgO	17.72	19.07	18.49	19.71	19.27	19.02	19.63	19.24	20.27	20.06	19.79	18.45	19.29	19.46	18.31
FeO	11.23	9.01	8.89	8.33	8.43	8.13	8.16	8.56	8.28	8.33	8.38	8.81	8.83	8.48	10.61
CaO	5.18	4.31	6.17	5.36	5.81	6.28	4.89	5.44	5.04	5.28	5.42	6.13	3.91	4.22	4.15
Cr_2O_3	1.74	2.62	7.59	4.04	4.97	6.82	3.87	3.57	5.06	3.64	3.95	7.67	1.22	0.47	0.59
MnO	0.33	0.41	0.54	0.44	0.51	0.52	0.51	0.45	0.45	0.45	0.46	0.53	0.41	0.35	0.29
TiO_2	1.34	0.16	0.05	0.11	0.11	0.03	0.14	0.09	0.07	0.08	0.11	0.05	0.16	0.11	0.16
Na_2O	0.12	0.04	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.04	0.03	0.04
Total (%).	98.64	98.65	100.26	100.29	100.16	100.35	98.74	99.31	100.13	100.13	100.34	99.84	98.35	98.39	98.91

Nº Am.	SU2-G5	SU2-G6	SU2-G7	AR1-G1	AR1-G2	AR1-G3	AR1-G4	AR1-G5	AR1-G6	AR1-G7	AR1-G8	AR1-G9	AR1-G10	REG-20	REG-21
SiO_2	41.81	41.43	41.99	42.89	42.17	42.01	41.69	42.18	41.32	41.66	41.64	41.32	41.31	41.26	41.31
Al_2O_3	22.61	22.14	22.94	23.34	21.94	23.22	21.22	20.79	20.66	20.98	21.17	21.08	22.2	21.03	21.13
MgO	18.61	17.08	19.02	19.72	19.73	19.69	19.01	19.27	18.06	18.24	18.27	18.24	20.01	19.32	19.58
FeO	8.33	10.54	8.91	9.92	9.01	10.02	8.51	8.12	11.37	8.92	9.16	9.49	8.52	8.57	8.39
CaO	5.02	4.91	3.92	3.94	4.46	3.93	5.18	5.24	5.43	5.73	5.52	5.39	3.85	5.62	5.63
Cr_2O_3	1.38	1.76	0.88	0.57	2.16	0.92	3.38	3.85	1.41	3.75	3.61	3.52	2.37	4.29	4.31
MnO	0.46	0.47	0.36	0.36	0.45	0.37	0.43	0.42	0.36	0.48	0.57	0.45	0.46	0.45	0.47
TiO_2	0.21	0.15	0.18	0.18	0.27	0.13	0.08	0.01	1.35	0.06	0.05	0.04	0.17	0.08	0.13
Na_2O	0.03	0.03	0.09	0.05	0.05	0.02	0.01	0.01	0.08	0.01	0.05	0.01	0.03	nd	nd
Total (%).	98.46	98.51	98.29	100.96	100.22	100.31	99.51	99.89	100.04	99.83	100.04	99.52	98.92	100.62	100.95

Nº Am.	REG-23	REG-24	REG-25	REG-27	REG-29	REG-30
SiO_2	41.29	41.36	40.62	42.65	41.16	42.22
Al_2O_3	20.57	21.68	20.58	22.05	20.86	21.11
MgO	19.21	19.94	19.29	18.85	17.60	19.30
FeO	8.59	8.33	8.42	8.54	9.35	8.21
CaO	5.94	5.37	5.79	4.79	6.21	5.29
Cr_2O_3	5.26	3.74	5.04	2.53	4.46	3.53
MnO	0.44	0.45	0.52	0.44	0.56	0.47
TiO_2	0.09	0.09	0.13	0.09	0.02	0.02
Na_2O	nd	nd	nd	0.01	0.02	0.01
Total (%).	101.39	100.96	100.39	99.95	100.24	100.16

Análises de Diopsídios - Kimberlito Régis															
Nº Am.	SU3-G1	SU3-G2	SU3-G3	SU3-G4	SU3-G5	SU3-G6	SU3-G7	SU3-G8	AR5-G1	AR5-G2	AR5-G3	AR5-G4	AR5-G5	AR5-G6	AR5-G7
SiO_2	54.77	54.63	54.34	54.64	54.64	54.53	54.72	54.25	55.18	54.41	54.61	54.62	54.51	54.73	54.86
Al_2O_3	2.44	2.43	2.44	2.46	2.46	2.46	2.46	2.00	1.72	2.43	1.38	2.04	2.37	1.77	3.43
MgO	15.91	15.93	15.90	15.77	15.89	16.09	16.35	22.13	16.09	15.20	18.64	20.97	15.42	15.54	20.50
FeO	2.39	2.49	2.55	2.52	2.56	2.59	2.70	4.83	1.53	1.95	2.98	5.14	1.39	1.56	4.65
CaO	20.86	20.87	20.54	20.62	20.57	20.45	20.45	13.57	22.55	21.36	18.21	14.47	22.05	22.50	11.96
Cr_2O_3	0.64	0.69	0.67	0.63	0.56	0.62	0.59	0.77	1.42	1.69	2.22	0.60	1.61	1.56	1.05
MnO	0.04	0.07	0.08	0.05	0.09	0.03	0.05	0.14	0.12	0.06	0.11	0.15	0.07	0.08	0.16
TiO_2	0.11	0.11	0.11	0.11	0.11	0.10	0.09	0.21	0.08	0.17	0.20	0.24	0.04	0.04	0.22
Na_2O	1.77	1.82	1.78	1.82	1.80	1.70	1.68	0.84	1.26	1.86	1.18	0.87	1.53	1.37	1.73
Total (%).	98.93	99.03	98.40	98.60	98.69	98.58	99.10	98.75	99.94	99.13	99.53	99.08	98.99	99.15	98.56

Nº Am.	AR5-G8	AR5-G9	AR5-G10	AR5-G12	AR5-G13	KSB1-Di-1	KSB1-Di-2	KSB1-Di-3	KSB1-Di-4	KSB1-Di-5	KSB1-Au-6	KSB2-Di-1	KSB2-Au-2	KSB2-Au-3	KSB2-Di-4
SiO_2	54.72	54.42	54.88	55.07	54.99	55.43	53.47	54.46	55.38	55.89	52.75	51.78	55.04	55.39	55.46
Al_2O_3	1.67	0.15	2.44	2.51	1.43	2.19	2.41	0.83	1.76	2.81	5.65	5.44	2.20	2.24	1.12
MgO	15.66	16.13	15.97	16.56	18.98	16.24	16.38	17.95	16.68	22.86	14.49	15.90	22.46	22.57	17.41
FeO	1.63	2.61	2.38	2.79	3.12	0.99	1.80	2.06	1.58	4.85	1.35	1.91	4.89	4.63	2.64
CaO	20.99	22.85	21.01	20.56	18.52	23.04	23.05	23.82	23.43	12.52	23.50	23.07	13.59	13.33	21.22
Cr_2O_3	2.39	1.55	0.66	0.57	2.34	1.50	0.59	0.97	1.47	1.11	1.17	1.02	0.75	0.76	1.04
MnO	0.06	0.08	0.04	0.06	0.13	0.00	0.25	0.09	0.26	0.15	0.10	0.09	0.13	0.17	0.10
TiO_2	0.04	0.11	0.13	0.10	0.21	0.01	0.11	0.15	0.25	0.38	0.41	0.17	0.20	0.16	0.10
Na_2O	1.75	0.98	1.76	1.64	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.90	0.97	1.28
Total (%).	98.91	98.88	99.27	99.86	100.96	99.40	98.06	100.33	100.81	100.57	99.42	100.00	100.16	100.22	100.37

Nº Am.	KSB2-Di-5	KSB2-Au-6	KSB2-Di-7	KSB2-Di-8	KSB2-Au-9	KSB2-Di-10	KSB2-Au-11	KSB2-Au-12	KSB2-Au-13	KSB2-Au-14
SiO_2	55.43	53.78	55.55	55.05	52.69	57.11	55.68	56.03	55.22	56.08
Al_2O_3	1.84	5.02	1.98	2.19	5.20	2.87	2.13	2.91	2.60	2.76
MgO	16.72	15.13	16.60	17.09	16.42	35.08	23.03	23.28	20.14	23.42
FeO	2.07	1.98	1.47	1.54	2.08	5.04	4.62	4.21	5.43	4.39
CaO	21.42	19.96	21.74	22.57	21.45	0.78	13.47	11.59	15.14	11.64
Cr_2O_3	1.34	1.58	1.78	1.23	1.04	0.69	0.92	1.18	0.79	1.15
MnO	0.04	0.06	0.05	0.09	0.09	0.16	0.14	0.11	0.16	0.15
TiO_2	0.04	0.45	0.08	0.03	0.27	0.03	0.14	0.11	0.50	0.08
Na_2O	1.51	2.06	1.54	1.00	0.92	0.04	0.80	1.36	1.17	1.23
Total (%).	100.41	100.02	100.79	100.79	100.16	101.80	100.93	100.78	101.15	100.90

Análises de Ilmenita - Kimberlito Regis

Nº Am.	SU4-G6	SU4-G8	SU5-G1	SU5-G5	SU5-G7	SU5-G8	AR4-G1	AR4-G3	AR4-G4	AR4-G5	AR4-G6	AR4-G7	AR4-G10	SU4-G6	SU4-G8
SiO_2	0.03	0.04	0.02	0.03	0.01	0.01	0.02	0.03	0.02	0.01	0.01	0.02	0.02	0.03	0.04
Al_2O_3	0.04	0.71	0.07	0.08	0.04	0.08	0.05	0.08	0.04	0.05	0.08	0.24	0.04	0.04	0.70
MgO	7.01	8.53	7.07	7.59	6.88	7.89	5.80	6.13	6.24	6.62	7.73	10.15	6.68	7.01	8.53
FeO	42.49	38.52	42.11	40.85	42.84	40.84	43.83	44.81	43.63	43.10	42.49	35.16	43.55	42.48	38.51
CaO	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.01	0.02	0.03	0.01	0.00	0.00	0.02
Cr_2O_3	2.14	1.96	3.18	3.04	2.48	1.35	4.05	3.23	4.00	4.77	1.79	1.82	2.31	2.14	1.96
MnO	0.37	0.25	0.31	0.33	0.32	0.35	0.33	0.28	0.32	0.32	0.32	0.28	0.33	0.36	0.24
TiO_2	46.52	48.78	45.89	46.24	46.29	48.50	45.81	44.21	45.22	44.94	47.92	52.60	46.89	46.51	48.77
Na_2O	0.02	0.03	0.02	0.01	0.03	0.05	0.01	0.02	0.03	0.01	0.02	0.02	0.01	0.02	0.03
Total (%).	98.63	98.84	98.70	98.19	98.90	99.08	99.91	98.79	99.51	99.84	100.39	100.28	99.83	98.59	98.81
Fe_2O_3	13.52	10.11	13.76	13.13	13.79	11.64	13.31	16.25	14.41	14.81	13.50	6.22	13.63	13.51	10.10

Nº Am.	REG-10	REG-11	KSB1-Ilm-1	KSB1-Ilm-2	KSB1-Ilm-3	KSB1-Ilm-4	KSB1-Ilm-5	KSB1-Ilm-6	KSB1-Ilm-7	KSB1-Ilm-8	KSB1-Ilm-9	KSB1-Ilm-10	KSB1-Ilm-11	KSB1-Ilm-12	KSB2-Ilm-1
SiO_2	0.03	0.02	0.22	0.00	0.04	0.15	0.21	0.00	0.02	0.00	0.00	0.05	0.08	0.08	0.09
Al_2O_3	0.76	0.10	0.54	0.54	0.56	3.06	0.34	0.23	0.82	0.48	0.78	0.08	0.26	0.67	1.27
MgO	9.64	8.77	13.23	12.01	12.45	10.81	10.05	10.75	10.75	12.38	12.63	11.02	11.44	10.99	11.32
FeO	38.96	41.06	35.59	34.34	33.76	36.12	37.04	35.22	35.53	34.94	34.64	36.48	37.89	35.5	35.07
CaO	0.03	0.02	0.20	0.25	0.09	0.09	0.05	0.01	0.05	0.04	0.02	0.00	0.02	0.20	0.03
Cr_2O_3	0.22	2.26	1.37	1.46	1.67	0.55	0.99	2.54	0.77	1.47	1.65	1.85	2.44	0.66	1.41
MnO	0.26	0.28	0.42	0.37	0.31	0.11	0.17	0.27	0.22	0.24	0.31	0.27	0.03	0.42	0.19
TiO_2	49.86	46.71	49.01	51.12	51.25	49.22	51.22	50.95	51.90	50.99	50.60	50.36	47.81	51.56	49.83
Na_2O	0	0	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
Total (%).	99.76	99.22	100.58	100.09	100.13	100.11	100.07	99.97	100.06	100.54	100.63	100.11	99.97	100.08	99.21
Fe_2O_3	11.57	14.97	15.52	10.15	10.17	11.23	9.06	8.83	8.24	11.39	11.96	11.10	15.31	9.14	10.63

Nº Am.	KSB2-Ilm-2	KSB2-Ilm-3	KSB2-Ilm-4	KSB2-Ilm-5	KSB2-Ilm-6
SiO2	0.04	0.03	0.00	0.03	0.04
Al2O3	1.13	0.53	0.05	0.84	0.62
MgO	13.04	9.65	6.64	10.36	11.03
FeO	33.03	37.6	44.58	37.03	34.94
CaO	0.07	0.04	0.00	0.03	0.04
Cr2O3	0.39	1.60	4.44	0.27	1.70
MnO	0.28	0.27	0.29	0.23	0.25
TiO2	50.79	48.68	42.66	49.59	49.70
Na2O	0.00	0.00	0.00	0.00	0.00
Total (%).	98.77	98.40	98.66	98.38	98.32

Análises de Espinélio - Kimberlito Régis															
Nº Am.	SU4-G1	SU4-G3	SU4-G5	SU4-G7	SU4-G9	SU4-G10	SU5-G4	AR4-G8	REG-12	REG-13	REG-23	REG-24	REG-60	REG-62	REG-63
SiO_2	0.04	0.14	0.06	0.05	0.16	0.12	0.03	0.11	0.03	0.02	0.11	0.18	0.08	0.17	0.07
Al_2O_3	3.30	13.75	24.80	16.46	15.91	5.56	17.76	5.85	5.24	10.11	6.29	11.52	5.71	11.06	3.35
MgO	10.66	12.11	13.28	13.77	13.98	12.38	12.77	12.24	9.71	8.31	10.51	12.94	10.48	12.57	7.65
FeO	21.51	29.25	20.68	18.52	18.91	20.82	25.57	21.12	19.27	27.13	25.84	16.94	29.16	19.92	38.81
CaO	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00
Cr_2O_3	62.44	39.76	40.49	49.28	48.76	56.14	41.80	57.21	66.21	53.88	53.15	54.99	50.07	52.97	45.91
MnO	0.28	0.29	0.26	0.18	0.21	0.22	0.23	0.22	0.25	0.30	0.29	0.21	0.25	0.22	0.42
TiO_2	0.76	3.79	0.17	0.35	0.62	3.21	0.26	3.15	0.13	0.30	4.44	2.67	4.22	2.52	3.32
Na_2O	0.01	0.03	0.03	0.02	0.00	0.01	0.00	0.03	nd	nd	nd	nd	nd	nd	nd
Total (%).	99.00	99.13	99.77	98.64	98.56	98.47	98.42	99.93	100.85	100.05	100.64	99.45	99.98	99.43	99.52

Nº Am.	REG-64
SiO_2	0.23
Al_2O_3	40.75
MgO	14.80
FeO	15.98
CaO	0.01
Cr_2O_3	27.56
MnO	0.23
TiO_2	0.38
Na_2O	nd
Total (%).	99.94