



Certificate of Analysis

Work Order: TO122406

To: **Gordon Richards**
Gordon Richards
6410 Holly Park Drive
DELTA
BC V4K 4W6

Date: Aug 10, 2012

P.O. No. : Project:SPEC
Project No. : -
No. Of Samples : 72
Date Submitted : Jul 26, 2012
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

Discard samples:

Certified By :

Bruce Robertson
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
M222	55	105	<10	0.4	16200	<1	260	7	409	32
M223	33	75	<10	0.6	18600	<1	310	4	652	31
M224	34	5	<10	0.6	8810	<1	440	37	23	<5
M225	51	92	<10	0.3	19300	<1	360	62	181	60
M226	39	53	<10	0.4	25500	<1	390	7	960	<5
M227	43	105	<10	0.6	16100	<1	300	14	644	254
M228	49	96	<10	0.3	17500	<1	300	62	234	52
M229	64	51	<10	0.6	25800	<1	480	15	647	8
M230	50	81	<10	0.3	28400	<1	450	12	1160	17
M231	60	57	<10	0.6	19500	<1	510	10	692	8
M232	34	133	20	0.5	16200	<1	260	9	1340	112
M233	15	41	<10	0.8	17000	<1	590	6	590	6
M234	13	38	<10	0.5	17600	<1	410	5	335	31
M235	4	77	<10	0.3	14500	<1	220	2	1700	50
M236	5	105	<10	0.3	15000	<1	260	5	1430	48
M237	8	69	10	0.2	12600	<1	230	4	1670	22
M238	34	162	30	0.1	6490	<1	70	4	794	70
M239	46	56	<10	0.4	12900	<1	240	1	512	49
M240	6	212	40	<0.1	3870	<1	<10	5	146	277
M241	24	140	60	0.2	9310	<1	90	5	823	164
M242	50	71	<10	0.7	18200	<1	400	8	709	64
M243	47	66	<10	0.5	14000	<1	350	12	424	21
M244	23	95	10	0.4	17400	<1	240	3	796	50
M245	12	220	30	0.3	7390	<1	50	7	241	114
M246	13	187	40	0.4	7090	<1	100	9	582	150
M247	15	153	30	0.3	11500	<1	160	15	865	69
M248	44	50	10	0.8	13700	<1	290	<1	834	34
M249	18	38	<10	0.8	22000	<1	500	<1	676	11
M250	32	63	10	0.4	17400	<1	390	4	1310	60
M251	80	154	40	0.5	12600	<1	130	16	742	72
M252	13	94	30	<0.1	17500	<1	160	15	321	77
M253	27	148	40	0.8	14600	<1	170	6	1780	40
M254	7	31	30	0.1	3970	<1	170	4	67	35
M255	20	32	<10	0.4	23200	<1	300	3	205	12
M256	22	130	10	0.5	14500	<1	270	8	539	45
M257	20	121	<10	0.3	15400	<1	240	29	583	102
M258	28	57	<10	0.4	11700	<1	440	36	368	23
M259	31	107	<10	0.3	10000	<1	140	30	221	242
M260	23	128	20	0.3	12100	<1	230	19	627	143
M261	24	91	<10	0.5	17300	<1	390	3	965	45
M262	9	198	<10	0.1	6670	<1	100	6	63	220
M263	15	103	10	0.3	13800	<1	220	3	2510	95
M264	4	104	50	<0.1	3510	<1	130	8	94	64

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
M265	24	85	<10	0.3	29300	<1	410	10	1470	32
M266	28	200	70	0.5	10000	1	80	7	1660	56
M268	18	114	10	0.6	14600	<1	290	7	1330	138
M269	50	88	<10	0.4	18900	<1	320	30	578	22
M270	52	88	20	0.3	20500	<1	290	74	698	38
M271	26	130	<10	0.2	6940	<1	180	29	165	94
M272	15	88	20	0.3	1970	<1	310	17	726	87
M273	49	33	<10	0.3	13800	<1	530	21	329	13
M274	27	61	10	0.5	13100	<1	350	4	742	22
M275	18	124	20	0.6	13300	<1	290	5	1930	75
M276	44	113	<10	0.5	14900	<1	330	5	1050	90
M277	17	108	10	0.4	15700	<1	250	2	2110	168
M278	11	121	20	0.2	10600	<1	220	1	189	38
M279	24	190	70	0.2	9410	1	90	2	253	85
M280	24	94	10	<0.1	7230	<1	340	2	46	43
M281	5	148	60	<0.1	11000	<1	50	2	508	134
M282	29	43	20	0.3	15200	<1	200	6	1390	63
M283	37	48	10	0.4	18200	<1	360	30	457	144
M284	25	116	10	0.2	10100	<1	240	4	160	51
M285	33	88	10	<0.1	11600	<1	320	3	47	40
M286	20	74	<10	0.1	7850	<1	360	6	51	81
M287	33	102	20	1.0	15500	<1	390	9	958	300
M288	40	48	10	0.2	9770	<1	270	6	530	98
M289	14	67	20	0.5	13600	<1	270	6	1790	38
M290	22	96	10	0.3	6430	<1	260	4	129	50
M291	95	70	10	0.2	8310	<1	390	21	80	206
M292	38	29	<10	0.4	14100	<1	290	13	119	30
M293	42	34	<10	0.7	16900	<1	460	19	190	44
M294	44	19	<10	0.8	17200	<1	420	6	124	92
*Rep M227	28	103	<10	0.4	16700	<1	320	12	561	168
*Rep M246	12	187	40	0.4	7220	<1	100	8	561	133
*Rep M251	81	144	40	0.6	12700	<1	140	14	830	60
*Rep M266	23	194	70	0.5	11000	<1	100	7	1760	59
*Rep M285	34	85	<10	<0.1	11000	<1	320	4	44	46
*Rep M290	29	88	10	0.4	6730	<1	250	3	104	52
*Std MMISRM16	16	49	20	23.2	50	<1	220	5	22	63
*Std AMIS0169	10	68	20	0.4	830	<1	40	2	1110	141
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	10	<1	<10	<1	<5	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
M222	<100	0.9	770	176	99.4	35.3	24	6	168	<1
M223	<100	1.0	1390	265	156	64.7	8	6	300	4
M224	<100	<0.5	740	12	7.7	3.2	6	<1	14	3
M225	<100	0.7	1900	108	73.2	22.2	74	2	107	<1
M226	<100	<0.5	450	147	81.7	39.7	10	5	187	<1
M227	<100	<0.5	1800	188	113	40.4	37	6	193	<1
M228	<100	<0.5	1340	99	63.3	21.1	56	3	95	<1
M229	<100	<0.5	2360	173	103	42.1	23	5	199	2
M230	<100	<0.5	2160	277	165	67.9	22	8	322	1
M231	<100	<0.5	2280	226	133	51.7	22	5	252	2
M232	<100	<0.5	1620	365	207	82.1	77	11	394	<1
M233	<100	<0.5	2120	167	94.1	41.9	11	4	202	3
M234	<100	<0.5	2430	170	97.3	39.5	9	3	194	8
M235	<100	0.7	570	379	198	120	7	13	514	<1
M236	<100	1.2	310	152	72.8	40.2	15	9	178	<1
M237	<100	1.0	600	277	139	85.2	20	14	375	<1
M238	<100	1.2	210	60	27.3	17.3	51	11	67	<1
M239	<100	<0.5	1850	297	175	71.1	10	6	340	2
M240	200	4.9	180	7	2.8	2.5	83	9	8	<1
M241	200	3.4	530	68	28.9	19.0	106	13	81	<1
M242	<100	<0.5	2420	220	125	50.7	33	5	234	1
M243	<100	0.7	2630	151	87.1	34.0	59	3	152	<1
M244	<100	1.5	800	192	93.7	49.1	17	7	220	<1
M245	<100	2.1	830	83	38.3	16.0	137	10	71	<1
M246	<100	1.8	1110	154	77.5	32.7	119	11	151	<1
M247	<100	1.4	1520	210	103	45.6	124	9	212	<1
M248	<100	<0.5	1740	505	310	117	8	8	587	22
M249	<100	<0.5	1290	268	153	62.6	8	5	320	8
M250	<100	<0.5	920	444	269	104	6	9	522	11
M251	<100	2.2	710	158	81.1	37.5	58	10	170	2
M252	<100	1.4	190	31	15.5	11.1	41	5	41	<1
M253	<100	5.0	460	138	66.1	31.4	44	14	174	<1
M254	<100	1.1	130	7	3.5	2.4	42	2	9	<1
M255	<100	0.7	540	94	55.2	26.5	11	2	125	<1
M256	<100	0.7	1760	200	114	39.0	67	5	181	<1
M257	<100	<0.5	1780	202	116	45.0	100	6	202	<1
M258	<100	<0.5	1850	114	64.6	25.3	58	3	120	<1
M259	<100	0.5	700	178	97.0	28.1	177	4	137	<1
M260	<100	<0.5	1380	215	126	43.3	115	6	207	<1
M261	<100	<0.5	1890	296	175	63.5	28	7	307	<1
M262	<100	<0.5	460	94	59.8	10.1	118	4	52	<1
M263	<100	<0.5	660	370	179	92.8	12	16	441	1
M264	200	1.3	120	9	3.9	2.6	118	9	10	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
M265	<100	<0.5	2050	299	174	73.1	16	9	346	2
M266	100	3.1	540	209	88.4	52.8	113	21	247	<1
M268	<100	<0.5	1460	399	227	87.4	26	10	419	1
M269	<100	<0.5	1880	206	121	44.4	83	5	213	<1
M270	<100	1.7	2250	205	113	51.6	70	7	227	<1
M271	<100	0.7	450	105	55.0	18.6	118	6	89	<1
M272	100	<0.5	1630	134	70.1	31.2	98	7	154	<1
M273	<100	<0.5	1370	116	72.4	24.1	20	2	131	1
M274	<100	<0.5	760	202	116	44.6	15	5	243	<1
M275	<100	<0.5	820	299	156	70.9	29	12	346	<1
M276	<100	<0.5	390	125	62.9	28.9	13	6	144	<1
M277	<100	<0.5	430	219	93.5	51.6	17	12	263	<1
M278	<100	0.8	180	18	8.0	5.1	35	5	19	<1
M279	<100	1.6	280	37	20.3	9.2	87	11	38	<1
M280	<100	0.8	170	6	2.6	2.2	20	1	6	<1
M281	100	2.6	280	33	13.8	10.8	84	12	40	<1
M282	<100	<0.5	250	121	54.9	35.1	21	8	167	<1
M283	<100	<0.5	3210	120	71.2	29.8	51	4	142	<1
M284	<100	1.0	530	32	15.4	7.3	61	5	29	<1
M285	<100	0.7	150	9	4.0	3.1	15	1	10	<1
M286	<100	<0.5	220	13	7.6	3.5	13	1	14	<1
M287	<100	<0.5	720	280	177	58.1	18	6	298	<1
M288	<100	0.8	540	154	83.0	41.4	17	5	202	1
M289	<100	<0.5	610	174	83.5	45.0	27	10	224	<1
M290	<100	1.9	340	26	16.5	6.0	17	2	29	<1
M291	<100	<0.5	400	13	9.0	3.2	17	2	14	<1
M292	<100	<0.5	470	67	45.1	15.4	6	2	84	2
M293	<100	<0.5	670	90	64.0	18.7	6	2	106	11
M294	<100	<0.5	790	59	34.5	11.9	9	2	65	1
*Rep M227	<100	<0.5	1210	159	92.8	36.7	29	5	170	<1
*Rep M246	<100	1.7	1100	148	73.4	31.9	119	11	140	<1
*Rep M251	<100	2.3	710	148	74.2	37.1	56	11	165	1
*Rep M266	100	3.1	570	224	97.4	57.4	111	21	273	1
*Rep M285	<100	0.7	160	8	3.9	2.8	14	1	9	<1
*Rep M290	<100	1.8	320	23	15.1	5.8	15	2	29	<1
*Std MMISRM16	<100	11.7	680	3	1.5	1.4	4	<1	6	26
*Std AMIS0169	100	8.6	4210	35	15.7	14.2	61	18	55	<1
*BIK BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*BIK BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
M222	<0.5	4.3	212	<5	74	120	<5	0.6	406	267
M223	<0.5	4.7	291	<5	80	270	<5	<0.5	678	190
M224	<0.5	10.3	7	6	59	990	12	<0.5	18	107
M225	<0.5	4.8	92	<5	28	1220	<5	<0.5	206	1330
M226	<0.5	3.6	235	<5	66	270	<5	<0.5	487	750
M227	<0.5	6.3	279	<5	57	6850	<5	0.6	508	830
M228	<0.5	9.2	97	<5	60	1030	<5	<0.5	209	1230
M229	<0.5	2.5	190	5	98	240	<5	<0.5	444	1810
M230	<0.5	2.4	406	<5	77	1010	<5	<0.5	849	1840
M231	<0.5	2.0	257	<5	120	410	<5	<0.5	558	1630
M232	<0.5	2.2	559	<5	58	2190	<5	1.2	1100	845
M233	<0.5	3.3	186	9	132	200	<5	<0.5	452	1090
M234	<0.5	3.9	115	<5	110	700	<5	<0.5	316	2350
M235	<0.5	3.8	821	<5	54	410	<5	<0.5	1570	62
M236	<0.5	5.4	646	<5	38	2170	<5	0.7	680	155
M237	<0.5	5.1	822	<5	55	330	<5	2.0	1390	127
M238	<0.5	9.3	381	<5	22	320	<5	7.9	322	77
M239	<0.5	2.7	253	<5	57	280	<5	<0.5	648	354
M240	<0.5	13.9	40	<5	1	12900	7	6.4	33	51
M241	<0.5	12.2	428	<5	19	4160	7	5.3	350	123
M242	<0.5	1.8	272	<5	66	1260	<5	<0.5	539	1340
M243	<0.5	2.2	162	<5	58	220	<5	<0.5	347	2190
M244	<0.5	3.4	368	<5	25	650	<5	1.3	620	145
M245	<0.5	3.2	88	<5	13	1410	<5	4.1	192	314
M246	<0.5	3.1	206	<5	19	1770	<5	4.0	433	543
M247	<0.5	5.0	338	<5	30	1530	<5	2.5	619	731
M248	<0.5	3.3	387	<5	95	150	<5	<0.5	1120	321
M249	<0.5	2.6	172	<5	136	390	<5	<0.5	513	388
M250	<0.5	3.5	407	<5	103	1370	<5	<0.5	1020	339
M251	<0.5	13.5	395	<5	23	2090	7	5.6	491	129
M252	<0.5	46.7	133	<5	44	1990	<5	2.2	160	177
M253	<0.5	6.9	1050	<5	38	1170	5	6.8	698	156
M254	<0.5	12.1	29	<5	54	730	<5	1.5	36	42
M255	<0.5	5.6	117	<5	54	520	<5	<0.5	284	375
M256	<0.5	3.8	228	<5	48	260	<5	0.9	437	1360
M257	<0.5	1.2	234	<5	38	920	<5	0.8	503	1720
M258	<0.5	1.3	138	<5	118	540	<5	<0.5	281	1400
M259	<0.5	1.4	54	<5	32	550	<5	<0.5	280	1240
M260	<0.5	3.3	251	<5	52	2300	<5	1.1	526	1220
M261	<0.5	2.4	384	<5	71	370	<5	<0.5	738	1490
M262	<0.5	5.1	16	<5	34	290	<5	0.6	79	416
M263	<0.5	4.2	1210	<5	36	620	<5	<0.5	1780	216
M264	<0.5	13.6	44	<5	27	6910	15	7.1	46	81

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
M265	<0.5	4.5	499	<5	70	440	<5	<0.5	943	1010
M266	<0.5	7.3	823	<5	14	780	6	10.0	1010	103
M268	<0.5	3.2	560	<5	58	1130	<5	<0.5	1130	622
M269	<0.5	2.2	227	<5	43	1820	<5	<0.5	483	2490
M270	<0.5	4.7	269	<5	34	710	6	1.7	587	1150
M271	<0.5	14.1	51	<5	41	1240	<5	2.3	161	571
M272	<0.5	8.0	233	<5	71	2260	9	2.8	477	711
M273	<0.5	7.1	116	13	120	1120	<5	<0.5	267	1090
M274	<0.5	31.0	268	<5	87	1500	<5	<0.5	560	757
M275	<0.5	6.7	797	<5	59	540	<5	0.9	1130	593
M276	<0.5	5.7	479	<5	72	1630	<5	<0.5	509	336
M277	<0.5	7.7	1010	<5	62	2510	<5	<0.5	1120	397
M278	<0.5	6.3	144	<5	50	390	<5	3.5	72	189
M279	<0.5	45.7	100	<5	29	860	5	11.0	121	237
M280	<0.5	29.7	25	<5	45	590	9	0.7	21	104
M281	<0.5	9.8	279	<5	12	2910	7	10.6	190	70
M282	<0.5	9.6	593	<5	51	2390	<5	0.8	723	150
M283	<0.5	6.2	204	<5	67	10500	6	<0.5	384	2040
M284	<0.5	12.3	77	<5	46	990	<5	2.1	84	293
M285	<0.5	36.8	20	<5	49	410	<5	<0.5	22	222
M286	<0.5	39.9	16	<5	75	3660	6	<0.5	31	220
M287	<0.5	30.1	431	<5	136	8800	<5	<0.5	725	853
M288	<0.5	8.8	261	<5	46	6070	<5	<0.5	619	882
M289	<0.5	14.1	506	<5	48	1730	<5	1.2	794	758
M290	<0.5	84.8	64	<5	75	1120	8	0.9	73	187
M291	<0.5	43.8	23	<5	78	11100	5	<0.5	35	321
M292	<0.5	42.0	56	<5	154	1030	<5	<0.5	148	438
M293	<0.5	30.2	61	8	195	2520	<5	<0.5	167	948
M294	<0.5	34.9	68	27	218	5290	<5	<0.5	129	705
*Rep M227	<0.5	6.0	254	<5	56	3730	<5	0.6	462	667
*Rep M246	<0.5	2.8	204	<5	20	1630	<5	4.4	412	520
*Rep M251	<0.5	13.4	421	<5	24	1700	7	5.2	515	120
*Rep M266	<0.5	7.3	878	<5	16	790	6	10.0	1080	107
*Rep M285	<0.5	36.9	18	<5	48	460	<5	<0.5	21	217
*Rep M290	<0.5	80.9	51	<5	72	1060	6	0.7	72	178
*Std MMISRM16	<0.5	35.8	5	<5	29	110	48	<0.5	18	261
*Std AMIS0169	<0.5	43.4	520	<5	40	5120	<5	4.8	466	550
*BIK BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*BIK BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
M222	0.2	320	<1	77	<1	76	<1	168	120	<1
M223	<0.1	160	<1	123	<1	71	<1	180	214	<1
M224	0.2	30	<1	3	<1	9	<1	7	7	<1
M225	0.4	120	<1	39	<1	36	<1	83	67	<1
M226	0.1	80	<1	94	<1	50	<1	39	138	<1
M227	0.3	160	<1	103	<1	29	1	214	140	<1
M228	0.4	190	<1	40	<1	19	1	130	65	<1
M229	0.1	70	<1	81	<1	17	1	67	137	<1
M230	<0.1	110	<1	165	<1	18	1	154	237	<1
M231	<0.1	90	<1	106	<1	8	2	83	174	<1
M232	0.4	180	<1	222	<1	31	2	393	298	<1
M233	<0.1	60	<1	80	<1	10	<1	51	139	<1
M234	<0.1	100	<1	53	<1	8	<1	60	119	<1
M235	<0.1	270	<1	313	<1	53	<1	290	432	<1
M236	0.2	230	<1	159	<1	145	<1	279	149	<1
M237	0.3	130	<1	298	<1	73	<1	178	330	<1
M238	1.1	430	<1	84	<1	157	2	86	62	<1
M239	0.1	140	<1	115	<1	44	<1	224	224	<1
M240	15.3	250	<1	9	<1	191	2	34	7	<1
M241	4.1	220	<1	91	<1	121	4	91	73	<1
M242	0.1	120	<1	105	<1	26	2	166	167	<1
M243	0.2	120	<1	69	<1	32	2	143	108	<1
M244	0.3	260	<1	129	<1	96	<1	196	172	<1
M245	1.6	250	<1	39	<1	115	2	94	52	<1
M246	1.6	270	<1	90	<1	80	2	164	117	<1
M247	1.0	190	<1	130	<1	73	2	182	169	<1
M248	<0.1	210	<1	194	<1	30	<1	200	402	<1
M249	<0.1	60	<1	85	<1	9	<1	79	200	<1
M250	<0.1	190	<1	179	<1	18	<1	183	348	<1
M251	2.1	270	<1	111	<1	143	4	256	128	<1
M252	3.5	220	<1	37	<1	105	1	56	37	<1
M253	1.1	360	<1	176	<1	148	3	177	149	<1
M254	2.3	70	<1	9	<1	56	<1	12	8	<1
M255	0.4	60	<1	52	<1	34	<1	17	91	<1
M256	0.3	170	<1	90	<1	64	<1	220	128	<1
M257	0.4	160	<1	99	<1	40	1	202	148	<1
M258	0.2	70	<1	56	<1	20	1	85	85	<1
M259	0.6	170	<1	47	<1	52	<1	111	90	<1
M260	0.4	190	<1	103	<1	39	1	242	149	<1
M261	<0.1	130	<1	148	<1	21	<1	274	219	<1
M262	0.5	180	<1	13	<1	100	<1	100	29	<1
M263	0.1	240	<1	387	<1	51	<1	425	370	<1
M264	9.0	150	<1	11	<1	112	3	33	10	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
M265	<0.1	120	<1	193	<1	19	<1	153	263	<1
M266	2.6	340	<1	234	<1	149	4	198	212	<1
M268	0.1	240	<1	228	<1	54	<1	415	321	<1
M269	0.2	220	<1	96	<1	43	1	221	150	<1
M270	0.9	120	<1	118	<1	67	2	154	172	<1
M271	2.7	80	<1	29	<1	65	<1	70	58	<1
M272	1.8	150	<1	102	<1	61	2	100	119	<1
M273	0.2	110	<1	49	<1	12	2	21	83	<1
M274	0.8	180	<1	108	<1	32	1	48	170	<1
M275	0.4	310	<1	254	<1	46	1	137	281	<1
M276	0.1	410	<1	119	<1	45	<1	128	109	<1
M277	0.2	380	<1	266	<1	67	<1	172	215	<1
M278	0.6	450	<1	19	<1	80	1	35	16	<1
M279	2.8	610	<1	27	<1	148	4	51	31	<1
M280	1.9	370	<1	5	<1	82	<1	12	5	<1
M281	2.8	340	<1	53	<1	135	3	55	40	<1
M282	1.0	140	<1	160	<1	27	<1	43	150	<1
M283	0.4	80	<1	78	<1	26	2	80	106	<1
M284	0.6	260	<1	19	<1	104	1	64	22	<1
M285	2.6	200	<1	5	<1	157	<1	12	7	<1
M286	1.5	140	<1	6	<1	53	<1	14	9	<1
M287	0.3	400	<1	149	<1	17	<1	222	210	<1
M288	0.9	70	<1	123	<1	32	2	21	168	<1
M289	0.6	140	<1	171	<1	49	1	68	181	<1
M290	0.8	330	<1	15	<1	120	<1	35	21	<1
M291	1.6	180	<1	7	<1	20	<1	21	9	<1
M292	0.7	140	<1	25	<1	8	<1	12	50	<1
M293	0.2	200	<1	29	<1	5	1	14	56	<1
M294	0.4	240	<1	24	<1	13	1	18	39	<1
*Rep M227	0.3	160	<1	94	<1	36	<1	181	127	<1
*Rep M246	1.6	260	<1	85	<1	80	2	163	110	<1
*Rep M251	2.0	250	<1	115	<1	138	4	237	130	<1
*Rep M266	2.6	330	<1	251	<1	148	4	214	234	<1
*Rep M285	2.4	190	<1	5	<1	150	<1	11	6	<1
*Rep M290	0.9	290	<1	14	<1	114	<1	24	20	<1
*Std MMISRM16	0.3	120	25	3	<1	310	<1	14	6	<1
*Std AMIS0169	3.1	130	<1	125	<1	250	1	74	75	1
*BIK BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*BIK BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
M222	2370	<1	28	<10	23.1	84	<0.5	38	<1	1080
M223	2490	<1	45	<10	18.5	26	<0.5	79	<1	1540
M224	1420	<1	2	<10	3.3	14	<0.5	24	<1	83
M225	1100	<1	17	<10	11.5	20	<0.5	73	<1	803
M226	3040	<1	26	<10	27.1	<3	<0.5	49	<1	845
M227	2130	<1	30	<10	41.7	129	<0.5	102	<1	1200
M228	2020	<1	15	<10	27.8	42	<0.5	97	<1	593
M229	3190	<1	29	<10	32.4	6	<0.5	117	<1	1070
M230	3250	<1	46	<10	25.0	15	<0.5	129	1	1740
M231	3320	<1	38	<10	21.1	<3	<0.5	147	<1	1390
M232	1910	<1	61	<10	69.5	317	<0.5	131	1	2300
M233	4390	<1	29	<10	24.4	<3	<0.5	97	<1	1000
M234	3250	<1	29	<10	7.2	<3	<0.5	81	<1	1030
M235	1680	<1	69	<10	15.6	67	<0.5	42	1	1950
M236	1770	<1	27	<10	40.1	170	<0.5	33	<1	813
M237	1590	<1	51	<10	25.1	415	<0.5	38	<1	1510
M238	490	<1	11	<10	99.3	2440	<0.5	13	1	329
M239	1610	<1	49	<10	9.9	25	<0.5	67	<1	1770
M240	60	<1	1	<10	84.1	1250	<0.5	9	2	25
M241	510	<1	13	<10	105	1700	<0.5	33	1	319
M242	2530	<1	36	<10	22.0	<3	<0.5	180	<1	1320
M243	2320	<1	25	<10	20.5	11	<0.5	141	<1	883
M244	1480	<1	33	<10	42.9	290	0.6	46	<1	1010
M245	450	<1	13	<10	42.3	772	0.8	29	<1	406
M246	750	<1	26	<10	76.1	857	0.5	41	1	873
M247	1100	<1	35	<10	67.6	460	0.7	56	<1	1190
M248	2230	<1	84	<10	7.5	7	<0.5	110	2	2870
M249	3680	<1	45	<10	15.2	<3	<0.5	102	<1	1570
M250	2720	<1	76	<10	8.2	<3	<0.5	34	1	2700
M251	890	<1	27	<10	53.6	1800	<0.5	61	2	954
M252	1090	<1	6	<10	37.3	471	<0.5	24	<1	162
M253	1160	<1	25	<10	88.5	2120	1.2	81	2	892
M254	970	<1	1	<10	27.2	222	<0.5	56	<1	31
M255	2290	<1	17	<10	33.0	16	<0.5	22	<1	557
M256	1950	<1	31	<10	58.9	139	<0.5	72	<1	1180
M257	1750	<1	33	<10	37.0	93	<0.5	100	<1	1320
M258	2920	<1	18	<10	13.8	4	<0.5	75	<1	681
M259	1560	<1	27	<10	14.9	60	<0.5	34	<1	1020
M260	1850	<1	35	<10	49.2	239	<0.5	62	<1	1320
M261	3000	<1	48	<10	44.3	21	<0.5	130	<1	1770
M262	1160	<1	12	<10	25.1	137	<0.5	25	<1	548
M263	1560	<1	64	<10	28.4	42	<0.5	98	<1	2170
M264	580	<1	2	<10	19.2	1670	<0.5	7	2	42

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
M265	3230	<1	50	<10	31.4	8	<0.5	152	<1	1840
M266	550	<1	38	<10	110	3010	0.7	61	3	1170
M268	2190	<1	67	<10	57.1	120	<0.5	82	1	2240
M269	2280	<1	34	<10	25.9	53	<0.5	82	<1	1260
M270	1310	<1	35	<10	39.8	258	0.7	83	1	1090
M271	1330	<1	16	<10	14.4	234	<0.5	35	<1	564
M272	880	<1	23	<10	50.0	320	<0.5	75	<1	749
M273	3100	<1	19	<10	40.9	5	<0.5	72	<1	656
M274	2320	<1	35	<10	48.9	11	<0.5	58	<1	1100
M275	1850	<1	52	<10	94.3	229	<0.5	52	1	1790
M276	2410	<1	22	<10	51.1	22	<0.5	41	<1	786
M277	1850	<1	39	<10	61.9	128	<0.5	54	<1	1390
M278	1700	<1	3	<10	50.0	800	<0.5	19	<1	82
M279	770	<1	6	<10	103	1990	<0.5	17	2	191
M280	1900	<1	1	<10	19.7	74	<0.5	9	<1	26
M281	350	<1	6	<10	102	2940	0.5	23	2	140
M282	1620	<1	23	<10	48.4	212	<0.5	27	<1	667
M283	2070	<1	20	<10	39.4	43	<0.5	75	<1	733
M284	1380	<1	5	<10	43.8	515	<0.5	33	<1	149
M285	2170	<1	1	<10	9.1	39	<0.5	5	<1	41
M286	2010	<1	2	<10	14.5	6	<0.5	21	<1	59
M287	2700	<1	45	<10	42.7	20	<0.5	49	<1	1570
M288	1390	<1	27	<10	38.4	25	<0.5	43	<1	834
M289	1520	<1	31	<10	55.4	256	<0.5	36	<1	1030
M290	1590	<1	4	<10	48.9	158	<0.5	22	<1	153
M291	2440	<1	2	<10	28.7	46	<0.5	24	<1	61
M292	2120	<1	11	<10	16.4	50	<0.5	32	<1	326
M293	3000	<1	15	<10	19.8	22	<0.5	52	<1	446
M294	2890	<1	9	<10	29.9	36	<0.5	91	<1	263
*Rep M227	2100	<1	26	<10	38.7	148	<0.5	81	<1	991
*Rep M246	770	<1	24	<10	77.6	946	0.5	41	1	820
*Rep M251	910	<1	26	<10	54.0	1700	<0.5	58	2	889
*Rep M266	680	<1	41	<10	115	3020	0.7	64	3	1270
*Rep M285	2120	<1	1	<10	8.3	27	<0.5	6	<1	38
*Rep M290	1610	<1	4	<10	39.7	126	<0.5	17	<1	138
*Std MMISRM16	440	<1	<1	<10	25.7	13	<0.5	52	<1	9
*Std AMIS0169	90	<1	7	<10	89.1	571	1.4	27	2	149
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Final : TO122406 Order: Project:SPEC

Page 12 of 13

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
M222	69	70	68
M223	103	<20	65
M224	6	120	13
M225	58	500	62
M226	59	120	38
M227	86	280	98
M228	50	1020	86
M229	77	410	67
M230	136	330	105
M231	98	290	60
M232	152	260	130
M233	66	130	39
M234	67	80	20
M235	141	<20	59
M236	48	20	108
M237	98	30	74
M238	18	50	184
M239	124	<20	35
M240	2	850	257
M241	18	70	230
M242	94	190	65
M243	66	310	95
M244	57	20	103
M245	26	50	127
M246	51	140	169
M247	65	170	197
M248	232	30	15
M249	105	<20	18
M250	196	40	21
M251	54	50	247
M252	12	40	140
M253	46	70	222
M254	3	190	57
M255	41	20	40
M256	82	50	139
M257	93	510	137
M258	47	280	61
M259	69	130	45
M260	99	260	122
M261	135	60	94
M262	42	70	34
M263	110	30	53
M264	3	540	96

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Final : TO122406 Order: Project:SPEC

Page 13 of 13

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
M265	135	120	105
M266	48	100	257
M268	169	50	100
M269	95	450	113
M270	82	660	138
M271	36	130	43
M272	47	320	180
M273	56	190	48
M274	81	30	101
M275	97	30	112
M276	34	30	89
M277	48	30	78
M278	6	40	76
M279	16	80	209
M280	2	30	31
M281	10	50	222
M282	36	90	85
M283	56	590	94
M284	10	40	85
M285	3	<20	18
M286	5	30	39
M287	127	60	113
M288	65	50	53
M289	50	60	100
M290	14	40	93
M291	8	110	73
M292	35	80	38
M293	48	110	31
M294	23	30	43
*Rep M227	72	310	98
*Rep M246	49	140	172
*Rep M251	49	50	233
*Rep M266	55	90	269
*Rep M285	2	<20	17
*Rep M290	12	40	75
*Std MMISRM16	<1	280	20
*Std AMIS0169	13	340	69
*Bik BLANK	<1	<20	<5
*Bik BLANK	<1	<20	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.