Certificate of Analysis
Work Order : SD180137
[Report File No.: 0000034023]

Date: February 06, 2019

To: **JASON JESSUP**
URSA MAJOR MINERALS INCORPORATED
45 OAK ST
DOWLING ON P0M 1R0

P.O. No.: SHAKESPEARE / TEST: 54 Samples
Project No.: SHAKESPEARE
Samples: 54
Received: Dec 12, 2018
Pages: Page 1 to 11
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
54	G_LOG02	Pre-preparation processing, sorting, logging, boxing
54	G_WGH79	Weighing of samples and reporting of weights
51	G_PRP89	Weigh, dry,(up to3.0 kg) crush to 75% passing 2 mm, split 250 g, pulverize to
54	GE_FAI313	@Au, Pt, Pd, FAS, ICP-AES, 30g - 5ml (Clean Pots only)
54	GE_IMS90A	Sodium Peroxide fusion/ICP-MS package(34 elements)
54	G_SHIP	Shipping

Comments:

Results in 2 decimal places for S in GE_IMS90A are informational only.

Certified By : _____
Gerald Chik
Operations Manager/Chief Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

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
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. 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 : SD180137 Order: SHAKESPEARE / TEST: 54 Samples

Report File No.: 0000034023

Element	WtKg	Au@	Pt@	Pd@	Ag	Al	As	Ba
Method	G_WGH79	GE_FAI313	GE_FAI313	GE_FAI313	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	1	10	1	1	0.01	3	10
Units	kg	ppb	ppb	ppb	ppm	%	ppm	ppm
S00355454	1.099	<1	<10	7	<1	9.31	99	720
S00355455	0.519	<1	<10	<1	<1	3.39	<3	10
S00355456	0.623	<1	<10	4	<1	9.13	434	150
S00355457	1.652	<1	<10	<1	<1	10.7	10	20
S00355458	0.698	<1	<10	4	<1	11.0	<3	<10
S00355459	0.807	36	70	56	<1	7.90	39	100
S00355460	0.083	<1	<10	2	<1	10.2	<3	550
S00355461	1.549	2	<10	4	<1	9.86	<3	50
S00355462	3.129	<1	<10	2	<1	9.27	<3	50
S00355463	1.974	<1	<10	<1	<1	8.35	<3	110
S00355464	1.512	<1	<10	<1	<1	8.48	<3	100
S00355465	0.780	<1	<10	<1	<1	8.59	3	120
S00355466	2.456	<1	<10	<1	<1	6.52	<3	160
S00355467	1.387	<1	<10	<1	<1	7.98	<3	300
S00355468	1.605	<1	<10	<1	<1	9.00	<3	230
S00355469	3.338	<1	<10	2	<1	7.81	6	240
S00355470	0.101	57	450	605	<1	2.89	220	100
S00355471	1.710	<1	<10	4	<1	8.02	21	180
S00355472	1.304	12	50	44	<1	6.50	53	170
S00355473	2.646	27	110	90	<1	7.59	57	100
S00355474	3.042	41	110	109	<1	8.20	68	60
S00355475	2.824	125	200	204	<1	8.19	94	70
S00355476	2.864	161	180	223	<1	7.18	28	50
S00355477	0.925	331	400	452	<1	6.89	30	70
S00355478	2.770	283	340	389	<1	6.81	68	30
S00355479	0.999	331	430	694	<1	7.98	325	30
S00355480	1.038	262	250	440	<1	7.31	174	30
S00355481	2.627	314	370	412	<1	7.41	12	20
S00355482	2.642	256	410	397	2	6.99	120	30
S00355483	2.103	304	600	563	2	6.95	130	40
S00355484	2.489	397	480	620	1	7.12	137	20
S00355485	3.812	246	380	362	2	7.54	124	90
S00355486	2.715	167	210	270	<1	7.40	237	20
S00355487	2.196	351	460	507	1	6.50	173	10
S00355488	2.281	171	290	329	2	5.58	192	<10
S00355489	1.358	17	40	59	<1	5.68	48	20
S00355490	0.492	3	<10	2	<1	0.12	3	30
S00355491	1.606	175	250	337	2	8.41	154	10
S00355492	1.532	161	310	403	<1	6.17	129	20
*Dup S00355492	N.A.	161	310	383	2	6.61	135	20

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. 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 : SD180137 Order: SHAKESPEARE / TEST: 54 Samples

Report File No.: 0000034023

Element	WtKg	Au@	Pt@	Pd@	Ag	Al	As	Ba
Method	G_WGH79	GE_FAI313	GE_FAI313	GE_FAI313	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	1	10	1	1	0.01	3	10
Units	kg	ppb	ppb	ppb	ppm	%	ppm	ppm
S00355493	2.080	166	180	275	<1	8.30	66	30
S00355494	1.743	<1	<10	14	<1	9.32	6	160
S00355495	1.336	2	<10	13	<1	7.98	9	120
S00355496	2.461	<1	<10	14	<1	8.41	5	120
S00355497	1.758	<1	<10	8	<1	8.65	6	140
S00355498	1.135	<1	<10	9	<1	8.68	6	90
S00355499	2.401	<1	<10	8	<1	7.35	<3	90
S00355500	0.111	259	720	3080	4	5.87	17	120
S00355501	2.249	2	<10	12	<1	7.94	102	20
S00355502	3.066	<1	10	23	<1	7.62	43	20
S00355503	2.982	<1	<10	7	<1	7.35	4	70
S00355504	2.950	<1	<10	8	<1	6.80	4	70
S00355505	3.109	<1	20	30	<1	9.42	83	30
S00355506	1.961	2	20	24	<1	7.31	9	40
S00355507	2.261	2	<10	16	<1	7.66	13	30
*Rep S00355462		<1	<10	<1				
*Rep S00355485		251	380	369				
*Std OREAS680		148	390	218				
*Std PGMS25		491	420	1850				
*Blk BLANK		<1	<10	<1				
*Rep S00355454					<1	8.46	83	690
*Rep S00355503					<1	7.61	<3	70
*Std OREAS680					9	6.74	109	580
*Std OREAS70B					<1	4.12	143	200
*Blk BLANK					<1	<0.01	<3	<10

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. 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 : SD180137 Order: SHAKESPEARE / TEST: 54 Samples

Report File No.: 0000034023

Element	Be	Bi	Ca	Cd	Co	Cr	Cs	Cu
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	1	0.1	0.1	0.2	0.5	5	0.1	2
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
S00355454	2	0.2	0.5	0.5	57.3	293	2.2	80
S00355455	<1	0.2	0.2	0.3	9.1	46	<0.1	438
S00355456	2	0.4	0.4	<0.2	56.1	281	0.3	97
S00355457	<1	0.4	0.2	<0.2	18.3	201	0.5	10
S00355458	<1	0.1	0.6	<0.2	33.2	367	0.3	62
S00355459	1	1.4	2.2	0.9	59.4	136	5.4	523
S00355460	<1	<0.1	4.5	<0.2	14.9	33	0.8	107
S00355461	1	0.6	2.5	<0.2	13.7	105	1.5	68
S00355462	1	0.1	2.0	<0.2	9.6	101	0.9	16
S00355463	2	0.3	2.9	<0.2	18.8	84	3.8	137
S00355464	2	0.3	3.0	<0.2	20.7	88	2.8	71
S00355465	2	0.4	2.9	<0.2	34.5	98	2.4	423
S00355466	1	0.4	3.6	0.2	28.4	83	1.5	213
S00355467	2	0.5	3.3	<0.2	48.8	96	3.3	492
S00355468	2	0.4	3.3	<0.2	42.1	90	3.2	364
S00355469	1	0.4	4.5	<0.2	46.0	110	8.3	112
S00355470	<1	0.1	3.4	0.3	190	2740	2.4	2950
S00355471	1	0.3	4.5	<0.2	49.1	143	5.2	133
S00355472	1	1.4	4.2	0.3	106	211	5.3	848
S00355473	1	2.5	3.9	0.2	124	254	2.9	879
S00355474	1	3.8	4.2	<0.2	151	247	1.6	1140
S00355475	1	6.7	4.3	0.3	234	214	1.6	1790
S00355476	<1	9.5	3.8	0.5	279	222	0.9	3380
S00355477	<1	20.0	3.8	0.7	437	247	0.6	3930
S00355478	1	13.5	4.0	0.5	270	225	0.5	2560
S00355479	<1	16.1	3.5	0.5	374	246	0.2	3310
S00355480	1	12.3	4.2	0.5	307	245	0.3	2980
S00355481	<1	15.0	3.4	0.3	335	235	0.2	2660
S00355482	1	10.9	4.9	0.9	273	217	0.1	5890
S00355483	1	17.8	5.1	1.1	368	250	0.2	6310
S00355484	1	21.2	3.3	0.5	406	273	<0.1	4100
S00355485	1	14.6	3.9	0.8	277	340	0.2	4750
S00355486	<1	8.0	4.6	0.6	171	464	0.2	3060
S00355487	<1	13.2	4.1	0.7	223	364	0.1	4070
S00355488	<1	6.6	4.6	0.8	229	451	0.1	3970
S00355489	<1	0.9	2.8	<0.2	52.0	170	<0.1	530
S00355490	<1	<0.1	>25.0	<0.2	1.7	9	<0.1	12
S00355491	<1	5.5	1.6	0.5	179	245	<0.1	2350
S00355492	<1	4.3	4.3	0.8	191	143	<0.1	3360
*Dup S00355492	<1	3.8	5.4	1.1	232	187	<0.1	3670

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. 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 : SD180137 Order: SHAKESPEARE / TEST: 54 Samples

Report File No.: 0000034023

Element	Be	Bi	Ca	Cd	Co	Cr	Cs	Cu
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	1	0.1	0.1	0.2	0.5	5	0.1	2
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
S00355493	1	3.7	5.3	0.4	126	164	0.2	1310
S00355494	1	0.1	5.8	<0.2	49.6	204	0.9	29
S00355495	<1	0.1	8.5	<0.2	53.9	189	0.7	181
S00355496	<1	0.1	8.4	<0.2	47.6	212	0.8	96
S00355497	<1	0.1	7.9	<0.2	50.1	208	0.8	71
S00355498	<1	0.2	8.3	<0.2	51.6	481	0.7	55
S00355499	<1	0.1	6.9	<0.2	41.6	469	0.8	53
S00355500	<1	0.9	3.8	2.1	995	353	0.8	16200
S00355501	<1	0.3	9.7	0.6	90.9	380	0.2	974
S00355502	<1	0.2	8.7	<0.2	57.2	202	0.2	64
S00355503	<1	0.1	6.8	<0.2	40.6	531	0.6	51
S00355504	<1	0.1	6.7	<0.2	39.0	756	0.6	44
S00355505	<1	0.2	3.3	<0.2	72.1	186	0.3	91
S00355506	<1	0.3	7.1	0.2	49.6	100	0.3	350
S00355507	<1	0.3	8.1	<0.2	43.2	86	0.3	163
*Rep S00355454	2	0.2	0.4	0.4	49.9	258	2.0	72
*Rep S00355503	<1	0.1	6.8	<0.2	38.3	529	0.6	48
*Std OREAS680	1	1.7	5.5	8.4	301	1940	3.7	8550
*Std OREAS70B	1	0.8	3.0	0.4	78.0	1130	3.2	55
*Blk BLANK	<1	<0.1	<0.1	<0.2	<0.5	<5	<0.1	<2

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. 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 : SD180137 Order: SHAKESPEARE / TEST: 54 Samples

Report File No.: 0000034023

Element	Fe	K	La	Li	Mg	Mn	Mo	Ni
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	0.1	0.1	5	0.01	10	2	5
Units	%	%	ppm	ppm	%	ppm	ppm	ppm
S00355454	5.99	3.1	17.4	34	2.71	560	7	265
S00355455	3.22	<0.1	41.2	7	1.26	240	2	72
S00355456	6.52	0.6	14.8	20	3.34	350	3	967
S00355457	14.0	0.2	12.7	45	7.76	730	<2	657
S00355458	18.0	<0.1	1.2	56	9.85	890	3	690
S00355459	7.86	1.0	39.6	15	3.33	440	4	623
S00355460	4.78	1.5	12.6	8	1.76	940	5	20
S00355461	4.74	0.5	53.1	11	2.45	500	<2	187
S00355462	4.02	0.4	122	9	1.98	460	<2	86
S00355463	5.67	0.7	26.5	12	2.35	550	<2	58
S00355464	6.60	0.7	29.1	14	2.78	690	<2	60
S00355465	7.96	0.6	27.4	16	2.53	620	<2	42
S00355466	6.24	0.6	21.8	12	1.75	700	<2	32
S00355467	8.30	1.1	22.6	14	2.22	640	<2	51
S00355468	8.45	1.0	25.1	15	2.38	760	<2	46
S00355469	8.96	1.4	23.6	17	2.55	1120	<2	45
S00355470	10.8	0.2	3.9	29	14.8	1380	<2	4000
S00355471	9.45	0.9	19.3	18	3.00	1170	<2	66
S00355472	11.8	1.1	17.3	18	4.26	1350	4	1050
S00355473	10.6	0.6	18.1	13	3.19	1140	8	1160
S00355474	10.9	0.4	16.9	13	3.28	1010	13	1610
S00355475	12.3	0.4	17.8	13	3.14	990	24	3520
S00355476	14.3	0.2	16.2	12	3.02	950	30	4970
S00355477	17.6	0.2	14.8	9	3.08	990	41	8380
S00355478	12.9	0.2	14.6	11	3.49	1050	18	4410
S00355479	12.3	0.1	16.9	13	3.20	940	27	4090
S00355480	12.0	0.1	14.6	12	3.90	1030	27	3770
S00355481	14.4	0.1	13.5	11	3.73	970	20	5290
S00355482	11.0	0.1	14.0	9	3.76	1050	13	3450
S00355483	12.7	0.2	15.5	10	3.77	980	17	5330
S00355484	13.7	<0.1	15.0	12	3.68	940	19	6020
S00355485	11.0	0.2	12.5	16	4.79	960	14	3720
S00355486	8.58	0.2	11.5	22	4.85	970	7	2640
S00355487	10.2	0.1	13.3	17	4.49	1090	7	3870
S00355488	12.7	<0.1	8.8	21	6.08	1390	9	3560
S00355489	5.32	<0.1	8.8	14	2.58	700	2	628
S00355490	0.45	<0.1	1.4	<5	3.24	150	<2	16
S00355491	9.91	<0.1	13.0	26	4.92	1010	4	2660
S00355492	9.07	<0.1	12.2	16	2.90	810	3	3280
*Dup S00355492	9.23	<0.1	11.4	18	3.34	880	4	3750

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. 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 : SD180137 Order: SHAKESPEARE / TEST: 54 Samples

Report File No.: 0000034023

Element	Fe	K	La	Li	Mg	Mn	Mo	Ni
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	0.1	0.1	5	0.01	10	2	5
Units	%	%	ppm	ppm	%	ppm	ppm	ppm
S00355493	9.20	<0.1	13.2	21	4.74	1050	4	2220
S00355494	7.62	0.6	7.9	24	4.69	1130	<2	177
S00355495	6.96	0.6	7.1	9	5.08	1220	<2	165
S00355496	6.54	0.5	7.8	9	4.86	1100	<2	160
S00355497	6.67	0.6	7.5	11	4.83	1110	<2	153
S00355498	7.24	0.4	6.8	10	5.84	1110	<2	188
S00355499	6.18	0.4	6.1	8	4.93	960	<2	162
S00355500	17.8	0.4	7.5	10	4.13	1040	7	49100
S00355501	8.02	0.2	10.5	13	5.06	1140	<2	463
S00355502	7.32	0.1	13.8	17	4.41	1080	<2	237
S00355503	6.40	0.3	5.9	11	5.03	960	<2	160
S00355504	6.51	0.3	5.7	9	5.23	1030	<2	159
S00355505	8.66	<0.1	12.3	24	5.22	960	<2	319
S00355506	8.86	0.2	14.5	10	4.03	1100	<2	239
S00355507	8.76	0.2	15.8	10	4.18	1150	<2	142
*Rep S00355454	5.56	3.1	19.8	28	2.39	520	4	227
*Rep S00355503	6.22	0.3	6.0	11	4.86	940	<2	151
*Std OREAS680	11.6	1.3	19.1	13	3.73	1120	3	20500
*Std OREAS70B	5.35	0.7	14.5	33	12.4	1090	3	2280
*Blk BLANK	<0.01	<0.1	<0.1	<5	<0.01	<10	<2	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. 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 : SD180137 Order: SHAKESPEARE / TEST: 54 Samples

Report File No.: 0000034023

Element	P	Pb	S	Sb	Si	Sn	Sr	Te
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	2	1	1	0.1	1	10	1
Units	%	ppm	%	ppm	%	ppm	ppm	ppm
S00355454	0.05	14	<1.00	<1	31.2	5	40	<1
S00355455	0.02	9	<1.00	<1	>40.0	<1	20	<1
S00355456	0.03	30	<1.00	<1	28.5	<1	60	<1
S00355457	<0.01	11	<1.00	<1	17.6	<1	20	<1
S00355458	<0.01	9	<1.00	<1	13.0	<1	<10	<1
S00355459	0.08	50	<1.00	<1	23.9	1	70	<1
S00355460	0.07	9	<1.00	<1	30.4	1	430	<1
S00355461	0.09	14	<1.00	<1	30.1	1	130	<1
S00355462	0.08	9	<1.00	<1	26.9	1	120	<1
S00355463	0.08	29	<1.00	<1	24.2	2	140	<1
S00355464	0.08	10	<1.00	<1	29.8	2	170	<1
S00355465	0.08	13	<1.00	<1	26.2	6	210	<1
S00355466	0.06	34	<1.00	<1	27.8	2	180	<1
S00355467	0.07	23	1.56	<1	24.1	2	120	<1
S00355468	0.07	11	1.36	<1	26.6	2	180	<1
S00355469	0.05	13	<1.00	<1	25.3	2	290	<1
S00355470	0.04	6	2.16	4	19.8	1	30	1
S00355471	0.05	12	<1.00	<1	24.9	1	280	<1
S00355472	0.04	12	1.08	<1	24.0	1	160	<1
S00355473	0.04	11	1.55	<1	23.6	4	240	1
S00355474	0.05	11	1.61	<1	23.4	<1	250	2
S00355475	0.04	12	2.72	<1	23.2	1	260	3
S00355476	0.04	11	4.22	<1	19.7	6	190	4
S00355477	0.04	13	6.96	<1	20.5	5	210	8
S00355478	0.05	9	3.51	<1	21.3	6	160	5
S00355479	0.03	11	3.42	<1	21.1	1	190	6
S00355480	0.05	10	2.94	<1	23.8	4	200	4
S00355481	0.04	10	4.86	<1	21.2	1	150	5
S00355482	0.04	10	2.85	<1	22.8	1	170	4
S00355483	0.04	14	4.38	<1	23.9	2	200	7
S00355484	0.04	16	3.45	<1	20.2	2	160	7
S00355485	0.04	14	3.07	<1	22.1	5	130	5
S00355486	0.04	20	1.20	<1	21.3	5	90	3
S00355487	0.04	8	2.11	<1	21.2	1	100	4
S00355488	0.04	5	2.10	<1	22.1	1	30	3
S00355489	0.03	3	<1.00	<1	30.1	<1	50	<1
S00355490	0.02	<2	<1.00	<1	5.0	9	70	<1
S00355491	0.05	5	1.50	<1	25.8	5	60	3
S00355492	0.04	7	2.02	<1	21.7	<1	70	2
*Dup S00355492	0.04	7	2.37	<1	25.8	<1	80	2

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. 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 : SD180137 Order: SHAKESPEARE / TEST: 54 Samples

Report File No.: 0000034023

Element	P	Pb	S	Sb	Si	Sn	Sr	Te
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	2	1	1	0.1	1	10	1
Units	%	ppm	%	ppm	%	ppm	ppm	ppm
S00355493	0.05	7	1.03	<1	22.1	1	120	1
S00355494	0.05	6	<1.00	<1	20.0	5	140	<1
S00355495	0.03	9	<1.00	<1	25.4	<1	180	<1
S00355496	0.04	8	<1.00	<1	24.6	<1	190	<1
S00355497	0.03	7	<1.00	<1	25.7	<1	190	<1
S00355498	0.04	8	<1.00	<1	26.0	<1	210	<1
S00355499	0.02	9	<1.00	<1	23.5	<1	200	<1
S00355500	0.06	17	9.39	3	15.6	3	180	5
S00355501	0.06	13	<1.00	<1	21.3	1	160	<1
S00355502	0.07	11	<1.00	<1	18.9	<1	160	<1
S00355503	0.02	8	<1.00	<1	22.4	<1	170	<1
S00355504	0.02	7	<1.00	<1	23.3	<1	170	<1
S00355505	0.08	9	<1.00	<1	21.7	2	120	<1
S00355506	0.09	13	<1.00	<1	20.7	2	140	<1
S00355507	0.10	10	<1.00	<1	20.4	2	150	<1
*Rep S00355454	0.03	14	<1.00	<1	28.6	5	30	<1
*Rep S00355503	0.02	8	<1.00	<1	22.2	<1	180	<1
*Std OREAS680	0.14	2660	5.42	20	19.7	22	400	<1
*Std OREAS70B	0.03	15	<1.00	<1	21.6	1	70	<1
*Blk BLANK	<0.01	<2	<1.00	<1	<0.1	<1	<10	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. 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 : SD180137 Order: SHAKESPEARE / TEST: 54 Samples

Report File No.: 0000034023

Element	Ti	V	W	Y	Yb	Zn
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	5	5	0.5	0.1	5
Units	%	ppm	ppm	ppm	ppm	ppm
S00355454	0.52	224	<5	13.8	1.3	168
S00355455	0.03	14	<5	13.2	1.0	33
S00355456	0.48	208	<5	13.1	1.5	111
S00355457	0.58	235	<5	8.5	1.2	127
S00355458	0.47	402	<5	5.9	0.8	184
S00355459	0.91	254	<5	22.1	2.1	310
S00355460	0.34	142	<5	20.0	2.5	67
S00355461	1.00	158	<5	47.3	4.6	61
S00355462	1.05	131	<5	55.2	5.8	48
S00355463	0.82	190	<5	25.0	2.6	57
S00355464	0.92	213	<5	29.7	3.0	72
S00355465	0.92	196	<5	29.8	2.8	69
S00355466	0.65	168	<5	18.0	1.9	71
S00355467	0.85	268	<5	25.7	2.2	73
S00355468	0.92	252	<5	22.4	2.5	75
S00355469	0.97	240	<5	22.7	2.6	96
S00355470	0.39	145	<5	8.7	0.9	121
S00355471	1.04	310	<5	19.6	1.9	98
S00355472	1.14	342	<5	18.8	1.8	121
S00355473	0.78	298	<5	18.2	1.9	100
S00355474	0.50	256	<5	16.1	1.7	89
S00355475	0.47	264	<5	17.6	1.7	88
S00355476	0.43	225	<5	13.6	1.5	105
S00355477	0.46	236	9	12.9	1.5	122
S00355478	0.43	261	<5	13.4	1.5	99
S00355479	0.45	251	<5	15.3	1.7	87
S00355480	0.47	284	7	16.3	1.6	105
S00355481	0.38	265	<5	12.6	1.5	82
S00355482	0.41	253	<5	14.7	1.6	109
S00355483	0.41	263	<5	15.5	1.7	131
S00355484	0.37	256	<5	13.7	1.5	88
S00355485	0.35	278	<5	11.9	1.3	115
S00355486	0.36	326	<5	12.4	1.2	102
S00355487	0.49	317	<5	14.2	1.7	115
S00355488	0.48	374	<5	15.2	1.5	135
S00355489	0.27	141	<5	8.3	0.8	58
S00355490	<0.01	<5	<5	2.9	0.2	6
S00355491	0.48	268	<5	16.4	1.6	129
S00355492	0.50	192	<5	15.2	1.6	115
*Dup S00355492	0.55	216	<5	17.2	1.7	143

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. 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 : SD180137 Order: SHAKESPEARE / TEST: 54 Samples

Report File No.: 0000034023

Element	Ti	V	W	Y	Yb	Zn
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	5	5	0.5	0.1	5
Units	%	ppm	ppm	ppm	ppm	ppm
S00355493	0.70	256	<5	21.0	1.9	101
S00355494	0.45	220	<5	13.2	1.2	81
S00355495	0.44	224	<5	13.1	1.4	88
S00355496	0.41	214	<5	13.2	1.3	74
S00355497	0.38	214	<5	12.5	1.3	74
S00355498	0.47	254	<5	13.1	1.2	79
S00355499	0.34	194	<5	9.8	1.1	68
S00355500	0.61	81	<5	9.3	0.9	161
S00355501	0.77	301	<5	18.8	1.8	96
S00355502	1.16	270	<5	22.4	2.2	87
S00355503	0.29	194	<5	9.8	1.0	66
S00355504	0.29	198	<5	9.6	1.2	64
S00355505	1.14	273	<5	25.0	2.6	106
S00355506	1.22	336	<5	23.9	2.8	97
S00355507	1.33	367	6	25.7	2.9	97
*Rep S00355454	0.49	191	<5	11.9	1.4	165
*Rep S00355503	0.29	194	<5	9.3	1.1	65
*Std OREAS680	0.59	212	<5	15.1	1.6	2250
*Std OREAS70B	0.20	70	5	10.1	1.0	115
*Blk BLANK	<0.01	<5	<5	<0.5	0.1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx. 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 .