Certificate of Analysis
Work Order : SD180140
[Report File No.: 0000033908]

Date: January 30, 2019

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

P.O. No.: SHAKESPEARE / TEST: 50 Samples
Project No.: SHAKESPEARE
Samples: 50
Received: Dec 12, 2018
Pages: Page 1 to 11
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
50	G_LOG02	Pre-preparation processing, sorting, logging, boxing
50	G_WGH79	Weighing of samples and reporting of weights
47	G_PRP89	Weigh, dry,(up to3.0 kg) crush to 75% passing 2 mm, split 250 g, pulverize to
50	GE_FAI313	@Au, Pt, Pd, FAS, ICP-AES, 30g - 5ml (Clean Pots only)
50	GE_IMS90A	Sodium Peroxide fusion/ICP-MS package(34 elements)
50	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 : SD180140 Order: SHAKESPEARE / TEST: 50 Samples

Report File No.: 0000033908

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
S00354901	2.709	277	550	636	3	6.40	259	160
S00354902	2.474	232	430	546	3	6.46	153	150
S00354903	2.611	231	500	558	3	6.29	149	130
S00354904	3.055	237	450	565	2	6.25	214	130
S00354905	2.199	184	350	454	2	6.25	111	180
S00354906	2.323	117	340	310	2	6.64	110	160
S00354907	1.626	99	270	277	<1	6.19	89	130
S00354908	2.257	250	580	645	2	5.67	149	140
S00354909	1.958	220	400	540	3	6.14	125	180
S00354910	0.083	<1	<10	1	<1	8.49	4	600
S00354911	0.515	<1	<10	2	<1	0.16	<3	20
S00354912	1.840	189	430	483	3	6.25	97	150
S00354913	2.682	195	340	478	2	6.31	57	170
S00354914	2.468	99	200	248	2	7.23	41	170
S00354915	0.670	<1	<10	<1	<1	0.09	<3	20
S00354916	3.103	13	40	59	<1	8.02	10	200
S00354917	3.086	220	450	572	2	6.83	70	170
S00354918	2.102	263	440	664	4	6.72	133	120
S00354919	2.623	266	540	665	3	6.77	122	120
S00354920	0.103	64	470	610	<1	2.70	238	90
S00354921	2.082	213	450	536	3	6.99	135	130
S00354922	2.412	219	490	595	2	7.21	70	130
S00354923	2.707	262	510	669	3	7.49	59	120
S00354924	2.706	291	610	718	3	7.00	78	100
S00354925	3.005	282	520	706	3	7.08	98	130
S00354926	2.969	280	550	701	3	7.08	111	150
S00354927	2.947	289	460	599	3	6.94	213	150
S00354928	1.916	276	320	438	4	6.45	272	140
S00354929	1.147	159	270	355	<1	6.94	82	160
S00354930	1.279	183	330	391	1	7.09	79	140
S00354931	3.262	153	270	376	2	7.03	67	170
S00354932	1.529	152	280	376	2	6.57	75	160
S00354933	1.055	42	80	118	<1	7.32	33	210
S00354934	1.929	148	240	333	1	6.93	68	160
S00354935	1.187	183	180	238	<1	6.98	9	70
S00354936	0.711	136	120	180	<1	7.24	16	50
S00354937	1.724	68	70	101	<1	6.99	14	170
S00354938	1.069	129	140	179	<1	7.38	9	240
S00354939	1.850	17	10	38	<1	7.69	3	300
*Dup S00354939	N.A.	18	20	37	<1	7.68	4	300

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 : SD180140 Order: SHAKESPEARE / TEST: 50 Samples

Report File No.: 0000033908

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
S00354940	0.916	<1	<10	1	<1	0.09	<3	20
S00354941	1.934	205	310	369	<1	7.18	11	90
S00354942	3.295	10	10	33	<1	7.90	5	130
S00354943	2.858	2	<10	15	<1	7.82	3	160
S00354944	0.847	<1	<10	1	<1	1.56	4	10
S00354945	2.837	3	<10	14	<1	7.61	<3	170
S00354946	3.674	3	<10	22	<1	7.43	<3	120
S00354947	2.180	4	10	26	<1	7.78	<3	70
S00354948	0.706	4	<10	4	<1	3.85	<3	120
S00354949	2.158	16	20	58	<1	8.29	<3	200
S00354950	0.109	234	840	3540	4	5.51	15	120
*Rep S00354922		220	490	536				
*Rep S00354944		<1	<10	1				
*Std OREAS680		148	400	234				
*Std PGMS25		478	410	1890				
*Blk BLANK		1	<10	<1				
*Rep S00354942					<1	7.45	5	140
*Rep S00354950					4	5.78	16	120
*Std OREAS680					9	7.25	126	630
*Std OREAS70B					<1	3.80	160	210
*Std OREAS680					11	7.60	123	580
*Blk BLANK					<1	<0.01	<3	<10
*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 : SD180140 Order: SHAKESPEARE / TEST: 50 Samples

Report File No.: 0000033908

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
S00354901	<1	22.9	4.4	1.1	304	437	1.8	5860
S00354902	<1	19.1	4.1	1.0	287	436	1.9	5820
S00354903	<1	16.5	4.1	0.9	285	468	1.4	5180
S00354904	<1	16.2	4.4	0.9	280	443	1.8	4700
S00354905	<1	11.8	4.5	0.8	232	468	1.9	4150
S00354906	<1	7.6	5.1	0.5	187	529	1.9	2420
S00354907	<1	7.2	4.5	0.5	171	463	1.4	2300
S00354908	<1	17.6	4.4	0.9	300	417	1.4	4980
S00354909	<1	16.4	5.0	1.0	320	354	3.7	5050
S00354910	<1	0.1	4.1	<0.2	15.3	31	0.8	114
S00354911	<1	0.1	>25.0	<0.2	2.0	12	<0.1	24
S00354912	<1	14.8	5.0	1.1	278	320	2.4	5070
S00354913	<1	13.9	4.9	0.7	215	210	1.6	4080
S00354914	<1	6.6	5.8	0.8	152	217	1.2	4050
S00354915	<1	<0.1	>25.0	<0.2	1.6	<5	<0.1	15
S00354916	<1	1.4	6.1	<0.2	73.1	179	1.5	138
S00354917	<1	16.9	5.0	0.9	264	176	2.5	5120
S00354918	<1	19.6	5.2	1.2	345	195	1.7	6040
S00354919	<1	19.0	4.9	1.1	297	170	1.2	5770
S00354920	<1	0.2	3.0	0.4	197	2750	2.1	2840
S00354921	<1	16.5	5.2	1.0	300	185	1.2	5280
S00354922	<1	14.7	5.4	0.9	234	138	1.2	4960
S00354923	<1	17.7	5.7	1.2	264	133	1.3	6350
S00354924	<1	19.8	5.1	1.2	293	140	1.2	6620
S00354925	<1	20.2	5.2	1.1	305	149	1.3	6210
S00354926	<1	18.9	5.0	1.1	292	136	1.4	6000
S00354927	<1	17.1	4.9	1.1	283	114	1.4	5400
S00354928	<1	10.5	6.3	1.4	212	107	1.0	6800
S00354929	<1	8.7	5.1	0.6	164	111	1.0	2850
S00354930	<1	10.1	5.4	0.9	177	109	1.0	3450
S00354931	<1	8.7	5.3	0.6	169	115	1.4	3300
S00354932	<1	8.7	5.1	1.0	170	131	1.8	3800
S00354933	<1	2.3	5.1	<0.2	74.5	139	2.5	530
S00354934	<1	6.9	5.0	0.6	133	135	1.5	2550
S00354935	<1	5.8	5.6	0.6	94.1	127	0.9	2610
S00354936	<1	4.1	6.1	0.2	80.4	129	0.3	943
S00354937	<1	2.0	5.3	0.3	62.2	82	0.8	1060
S00354938	<1	3.6	5.7	0.5	92.1	65	2.3	1740
S00354939	<1	0.6	6.0	<0.2	51.5	59	3.0	109
*Dup S00354939	<1	0.7	5.9	<0.2	49.3	48	2.9	137

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 : SD180140 Order: SHAKESPEARE / TEST: 50 Samples

Report File No.: 0000033908

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
S00354940	<1	<0.1	>25.0	<0.2	1.7	8	<0.1	9
S00354941	<1	4.5	6.4	0.6	153	49	1.1	2680
S00354942	<1	0.6	6.8	<0.2	55.8	59	1.3	420
S00354943	<1	0.3	6.2	<0.2	48.3	56	1.8	63
S00354944	<1	<0.1	1.6	<0.2	12.9	46	0.2	318
S00354945	<1	0.3	6.4	<0.2	50.9	57	2.1	98
S00354946	<1	0.4	5.9	<0.2	50.9	61	1.9	238
S00354947	<1	0.3	6.9	<0.2	48.1	59	0.6	101
S00354948	<1	0.1	2.3	0.3	13.4	38	0.5	1070
S00354949	<1	0.5	7.0	<0.2	55.9	81	3.6	32
S00354950	<1	1.0	3.6	2.2	949	331	0.8	16000
*Rep S00354942	<1	0.6	6.4	<0.2	51.4	59	1.3	399
*Rep S00354950	<1	1.0	4.0	2.3	944	344	0.8	16300
*Std OREAS680	2	1.8	5.5	8.5	339	2050	3.7	9150
*Std OREAS70B	1	0.7	2.8	0.4	80.8	1180	3.1	57
*Std OREAS680	1	1.9	6.4	8.8	362	1950	4.0	9170
*Blk BLANK	<1	<0.1	<0.1	<0.2	<0.5	6	<0.1	3
*Blk BLANK	<1	<0.1	<0.1	<0.2	<0.5	6	<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 : SD180140 Order: SHAKESPEARE / TEST: 50 Samples

Report File No.: 0000033908

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
S00354901	12.7	0.7	12.1	15	5.69	1250	11	4860
S00354902	12.8	0.7	11.8	15	5.64	1250	11	4280
S00354903	12.3	0.7	10.5	15	5.69	1220	8	3890
S00354904	12.6	0.6	10.2	15	5.93	1260	10	4280
S00354905	11.6	0.8	10.4	16	5.62	1250	7	3270
S00354906	11.2	0.7	8.5	15	6.63	1350	5	1900
S00354907	10.6	0.6	8.9	15	5.82	1340	3	1740
S00354908	12.8	0.6	8.8	17	6.40	1400	5	4160
S00354909	13.2	1.0	9.4	17	6.33	1460	9	4300
S00354910	4.82	1.4	12.7	9	1.87	910	7	20
S00354911	0.50	<0.1	1.5	<5	3.82	150	6	25
S00354912	13.2	0.8	8.7	16	6.19	1400	9	4130
S00354913	11.0	0.6	9.5	13	5.09	1290	5	3150
S00354914	9.93	0.6	9.1	13	5.79	1310	6	1890
S00354915	0.49	<0.1	1.4	<5	3.18	140	<2	18
S00354916	9.16	0.7	11.9	14	5.20	1380	2	297
S00354917	11.7	0.7	10.0	13	4.72	1200	7	4110
S00354918	12.7	0.6	9.4	14	5.18	1370	7	5040
S00354919	11.8	0.5	9.3	14	5.05	1160	8	4560
S00354920	11.1	0.2	4.0	26	14.8	1250	<2	3850
S00354921	11.9	0.5	10.1	13	5.13	1290	8	4240
S00354922	11.4	0.5	9.4	14	5.21	1240	7	4040
S00354923	12.4	0.5	9.3	13	5.22	1300	7	4840
S00354924	12.2	0.4	8.5	13	4.75	1250	4	5050
S00354925	12.0	0.5	8.9	14	4.88	1240	5	4940
S00354926	11.7	0.6	9.2	13	4.44	1190	6	4560
S00354927	11.9	0.6	9.0	13	4.62	1210	6	4050
S00354928	10.0	0.5	8.9	12	4.30	1250	3	3070
S00354929	9.77	0.5	9.3	13	4.63	1190	3	2370
S00354930	10.1	0.5	9.3	14	4.68	1250	3	2520
S00354931	10.1	0.7	9.4	14	4.78	1300	4	2420
S00354932	10.1	0.6	10.1	14	4.61	1260	3	2360
S00354933	8.61	0.8	11.8	16	4.67	1210	<2	489
S00354934	9.84	0.6	10.3	15	4.68	1260	2	1820
S00354935	10.0	0.3	10.5	14	4.89	1370	<2	1180
S00354936	8.45	0.2	9.0	11	4.50	1230	<2	1120
S00354937	7.95	0.5	10.9	13	4.23	1160	<2	579
S00354938	8.16	1.0	11.9	12	3.99	1170	<2	1150
S00354939	7.44	1.0	11.5	13	3.99	1150	<2	219
*Dup S00354939	7.95	1.0	12.6	13	3.85	1200	<2	218

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 : SD180140 Order: SHAKESPEARE / TEST: 50 Samples

Report File No.: 0000033908

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
S00354940	0.50	<0.1	1.4	<5	2.80	140	<2	15
S00354941	9.61	0.4	11.5	8	3.91	1200	<2	2350
S00354942	8.05	0.5	11.8	11	4.20	1250	<2	180
S00354943	7.86	0.6	11.0	14	4.14	1210	<2	142
S00354944	2.46	<0.1	0.9	5	0.94	350	3	96
S00354945	8.13	0.7	11.6	11	4.19	1270	<2	137
S00354946	8.02	0.6	10.5	11	3.90	1190	<2	134
S00354947	8.39	0.4	11.6	8	4.19	1390	<2	170
S00354948	2.25	0.3	6.9	<5	0.96	330	2	81
S00354949	9.81	0.9	10.1	15	5.46	1490	<2	276
S00354950	17.3	0.3	7.6	10	3.88	930	8	45700
*Rep S00354942	7.80	0.5	12.2	10	4.06	1230	<2	175
*Rep S00354950	18.8	0.4	7.3	10	4.12	1000	8	49500
*Std OREAS680	12.1	1.3	18.2	13	4.07	1150	4	20800
*Std OREAS70B	5.52	0.6	15.1	33	12.7	1040	5	2100
*Std OREAS680	12.2	1.6	18.5	13	3.84	1140	4	23500
*Blk BLANK	<0.01	<0.1	<0.1	<5	<0.01	<10	<2	<5
*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 : SD180140 Order: SHAKESPEARE / TEST: 50 Samples

Report File No.: 0000033908

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
S00354901	0.03	41	2.45	<1	21.9	<1	120	6
S00354902	0.03	30	2.33	<1	22.6	<1	120	5
S00354903	0.03	25	1.81	<1	20.4	<1	110	5
S00354904	0.04	27	1.85	<1	21.1	<1	130	4
S00354905	0.03	29	1.32	<1	21.3	<1	130	4
S00354906	0.03	33	<1.00	<1	22.0	<1	140	2
S00354907	0.03	37	<1.00	<1	21.4	<1	120	2
S00354908	0.03	22	1.80	<1	21.7	<1	100	5
S00354909	0.04	25	2.03	<1	23.3	<1	120	4
S00354910	0.07	10	<1.00	<1	27.3	<1	470	<1
S00354911	0.01	<2	<1.00	<1	5.0	<1	60	<1
S00354912	0.04	23	1.85	<1	22.5	<1	120	4
S00354913	0.04	31	1.33	<1	20.1	<1	150	3
S00354914	0.03	33	<1.00	<1	23.2	<1	190	2
S00354915	0.01	4	<1.00	<1	4.3	<1	70	<1
S00354916	0.04	23	<1.00	<1	25.3	<1	220	<1
S00354917	0.04	21	2.19	<1	20.7	<1	160	4
S00354918	0.03	19	2.77	<1	23.3	1	150	5
S00354919	0.03	21	2.24	<1	21.5	<1	140	5
S00354920	0.04	6	1.63	4	16.7	<1	30	1
S00354921	0.04	24	2.31	<1	22.6	<1	150	5
S00354922	0.03	21	1.96	<1	22.1	<1	170	4
S00354923	0.03	20	2.67	<1	23.3	<1	170	5
S00354924	0.03	17	2.77	<1	20.8	<1	150	6
S00354925	0.03	19	2.46	<1	22.0	<1	150	5
S00354926	0.03	16	2.17	<1	20.2	<1	140	6
S00354927	0.03	16	1.98	<1	19.0	<1	130	4
S00354928	0.03	16	1.56	<1	19.9	<1	140	3
S00354929	0.04	14	<1.00	<1	21.1	<1	160	2
S00354930	0.03	15	<1.00	<1	22.1	3	160	3
S00354931	0.04	13	<1.00	<1	22.3	<1	170	3
S00354932	0.03	13	<1.00	<1	20.7	<1	150	2
S00354933	0.03	11	<1.00	<1	23.7	<1	170	<1
S00354934	0.03	12	<1.00	<1	21.3	<1	160	2
S00354935	0.02	12	<1.00	<1	20.1	<1	160	2
S00354936	0.03	14	<1.00	<1	21.8	<1	190	1
S00354937	0.04	8	<1.00	<1	22.3	<1	150	<1
S00354938	0.04	12	<1.00	<1	22.7	<1	190	<1
S00354939	0.04	9	<1.00	<1	23.0	<1	180	<1
*Dup S00354939	0.04	10	<1.00	<1	21.5	<1	180	<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 : SD180140 Order: SHAKESPEARE / TEST: 50 Samples

Report File No.: 0000033908

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
S00354940	<0.01	<2	<1.00	<1	4.3	4	70	<1
S00354941	0.04	12	1.18	<1	20.2	<1	180	1
S00354942	0.04	12	<1.00	<1	24.6	<1	200	<1
S00354943	0.04	10	<1.00	<1	23.4	<1	180	<1
S00354944	<0.01	4	<1.00	<1	31.1	<1	30	<1
S00354945	0.04	10	<1.00	<1	22.6	<1	190	<1
S00354946	0.04	12	<1.00	<1	22.0	<1	180	<1
S00354947	0.03	9	<1.00	<1	23.3	<1	170	<1
S00354948	0.01	7	<1.00	<1	32.2	<1	120	<1
S00354949	0.03	9	<1.00	<1	23.3	<1	150	<1
S00354950	0.05	17	8.64	3	16.5	3	180	4
*Rep S00354942	0.04	12	<1.00	<1	23.4	<1	210	<1
*Rep S00354950	0.06	18	9.22	3	17.2	3	180	5
*Std OREAS680	0.15	2730	4.66	21	19.4	1	400	1
*Std OREAS70B	0.03	15	<1.00	<1	20.4	<1	70	<1
*Std OREAS680	0.16	2610	5.76	21	22.3	2	460	<1
*Blk BLANK	<0.01	2	<1.00	<1	0.2	<1	<10	<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 : SD180140 Order: SHAKESPEARE / TEST: 50 Samples

Report File No.: 0000033908

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
S00354901	0.39	313	<5	14.0	1.6	131
S00354902	0.40	335	<5	13.7	1.7	133
S00354903	0.38	333	<5	11.6	1.4	126
S00354904	0.38	332	<5	13.2	1.3	123
S00354905	0.38	329	<5	12.3	1.4	124
S00354906	0.36	373	<5	10.9	1.3	122
S00354907	0.35	359	<5	10.7	1.3	110
S00354908	0.34	339	<5	12.0	1.3	126
S00354909	0.39	310	<5	13.3	1.3	145
S00354910	0.29	138	<5	22.1	2.5	68
S00354911	<0.01	<5	<5	3.1	0.1	7
S00354912	0.36	293	<5	12.1	1.2	139
S00354913	0.36	218	<5	12.0	1.4	113
S00354914	0.37	269	<5	13.1	1.3	119
S00354915	<0.01	<5	<5	2.9	0.1	5
S00354916	0.48	238	<5	14.7	1.5	91
S00354917	0.35	204	<5	12.0	1.4	123
S00354918	0.38	246	<5	12.9	1.4	142
S00354919	0.34	232	<5	12.2	1.3	123
S00354920	0.31	133	<5	8.2	0.9	117
S00354921	0.37	215	<5	13.2	1.4	127
S00354922	0.36	195	<5	14.0	1.4	108
S00354923	0.37	190	<5	13.8	1.3	126
S00354924	0.34	191	<5	12.1	1.2	120
S00354925	0.34	205	<5	12.1	1.3	124
S00354926	0.35	194	<5	11.7	1.3	116
S00354927	0.32	188	<5	11.3	1.3	119
S00354928	0.32	188	<5	12.0	1.3	130
S00354929	0.35	188	<5	12.4	1.4	100
S00354930	0.35	193	<5	12.6	1.4	108
S00354931	0.38	194	<5	13.3	1.4	110
S00354932	0.41	183	<5	13.1	1.5	117
S00354933	0.41	174	<5	14.0	1.5	92
S00354934	0.40	171	<5	13.8	1.5	116
S00354935	0.38	191	<5	14.0	1.6	122
S00354936	0.41	188	<5	14.2	1.6	86
S00354937	0.45	181	<5	15.1	1.5	88
S00354938	0.45	208	<5	16.2	1.8	106
S00354939	0.48	214	<5	17.5	1.8	85
*Dup S00354939	0.49	219	<5	16.9	1.8	85

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 : SD180140 Order: SHAKESPEARE / TEST: 50 Samples

Report File No.: 0000033908

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
S00354940	<0.01	<5	<5	2.8	0.1	6
S00354941	0.43	214	<5	15.3	1.8	99
S00354942	0.51	224	<5	17.8	1.7	94
S00354943	0.48	213	<5	16.6	1.7	91
S00354944	0.05	32	<5	1.8	0.3	27
S00354945	0.45	229	<5	17.0	1.8	89
S00354946	0.40	201	<5	14.7	1.6	90
S00354947	0.45	216	<5	16.2	1.7	93
S00354948	0.05	57	<5	5.7	0.6	28
S00354949	0.46	226	<5	16.5	1.6	115
S00354950	0.55	83	<5	10.3	1.0	151
*Rep S00354942	0.48	217	<5	17.1	1.7	91
*Rep S00354950	0.57	87	<5	10.4	0.9	156
*Std OREAS680	0.52	226	<5	16.5	1.6	2490
*Std OREAS70B	0.17	64	8	9.7	1.0	121
*Std OREAS680	0.56	236	<5	17.3	1.5	2450
*Blk BLANK	<0.01	<5	<5	<0.5	<0.1	<5
*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 .