ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **OSISKO MINING LTD.**
P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

Finalized Date: 12-APR-2014
Account: OSIKLI

CERTIFICATE SD14050162

Project: MU

P.O. No.: KL 000348

This report is for 145 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 2-APR-2014.

The following have access to data associated with this certificate:

MIKE FELL	ANDREW STOKES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES

To: **OSISKO MINING LTD.**
ATTN: ANDREW STOKES
P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS SD14050162

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10
I273927		<0.5	7.03	32	900	0.9	<2	2.55	<0.5	8	41	143	2.97	20	4.80	70
I273928		<0.5	6.46	38	940	0.9	<2	2.76	<0.5	7	36	96	2.74	20	4.26	70
I273929		<0.5	6.70	48	800	1.1	<2	2.66	<0.5	7	47	236	2.62	30	4.91	110
I273930		0.7	6.64	44	600	1.5	<2	2.67	<0.5	7	31	218	2.73	30	4.58	110
I273931		<0.5	6.69	23	780	1.4	2	2.21	<0.5	7	37	156	2.47	30	4.67	90
I273932		0.5	7.01	31	1900	1.1	<2	2.17	<0.5	6	34	246	2.56	30	6.54	100
I273933		0.5	6.95	45	1350	0.9	4	2.12	<0.5	5	39	186	2.42	30	6.53	110
I273934		0.5	6.74	54	3650	1.0	<2	2.29	<0.5	6	38	204	2.62	30	6.58	230
I273935		<0.5	6.82	54	1020	1.0	<2	2.22	<0.5	6	43	106	2.59	30	6.09	140
I273936		<0.5	6.53	29	3930	1.3	4	3.49	<0.5	14	41	261	4.56	20	6.77	230
I273937		1.0	6.50	15	5080	1.2	6	3.91	<0.5	12	35	286	4.35	20	6.82	120
I273938		1.5	6.94	21	4300	1.2	<2	3.42	<0.5	10	41	203	4.00	20	6.36	180
I273939		<0.5	7.38	19	1680	0.8	<2	1.94	<0.5	6	30	249	2.29	30	6.17	100
I273940		0.8	7.05	38	5030	1.0	<2	3.82	<0.5	7	28	188	3.11	20	6.99	230
I273941		1.5	6.49	26	7600	1.2	5	4.36	<0.5	10	44	155	4.25	30	7.51	210
I273942		0.9	5.85	39	1630	1.6	2	6.37	<0.5	20	114	183	5.53	20	7.69	220
I273943		0.5	5.61	27	2990	1.6	4	5.82	<0.5	19	69	166	6.20	20	7.15	290
I273944		<0.5	6.00	35	2820	0.9	5	3.49	<0.5	16	65	178	4.82	20	6.87	110
I273945		<0.5	7.55	37	1820	0.9	<2	0.40	<0.5	12	62	67	2.34	20	6.53	30
I273946		<0.5	7.08	35	1690	0.9	<2	0.32	<0.5	12	61	69	2.52	20	7.04	30
I273947		<0.5	7.07	49	1480	1.2	<2	0.30	<0.5	11	64	127	2.62	20	5.74	30
I273948		<0.5	6.85	55	1490	0.9	<2	0.89	<0.5	12	62	68	2.65	20	5.65	30
I273949		<0.5	6.66	71	1510	1.2	<2	0.22	<0.5	13	75	66	2.59	20	5.89	30
I273950		<0.5	0.38	<5	20	<0.5	2	35.9	<0.5	<1	6	3	0.42	<10	0.23	<10
I273951		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I273952		<0.5	6.60	73	1580	1.0	2	0.79	<0.5	12	67	58	2.81	20	6.81	30
I273953		<0.5	7.43	110	830	1.2	<2	0.51	<0.5	16	68	73	3.62	20	6.88	30
I273954		0.5	8.10	110	620	2.4	3	0.31	<0.5	17	66	78	4.04	30	6.82	30
I273955		<0.5	7.87	129	510	3.1	<2	0.24	<0.5	18	67	96	4.40	30	6.88	30
I273956		<0.5	6.23	58	1140	1.4	<2	0.89	<0.5	11	61	49	2.67	20	6.18	30
I273957		0.5	6.76	76	1030	2.5	<2	0.72	<0.5	13	60	53	3.45	20	6.21	30
I273958		<0.5	6.21	58	1250	1.1	<2	1.16	<0.5	7	57	39	2.26	20	5.77	30
I273959		<0.5	6.25	79	1170	1.1	<2	0.97	<0.5	11	58	51	2.80	10	5.69	30
I273960		<0.5	5.37	50	1540	0.8	3	1.68	<0.5	9	55	26	2.13	10	6.10	20
I273961		<0.5	6.36	49	1970	1.0	<2	1.86	<0.5	10	54	26	2.37	20	6.50	30
I273962		<0.5	5.58	53	1340	0.8	<2	1.48	<0.5	9	64	35	2.14	10	6.20	30
I273963		<0.5	6.85	162	1220	2.4	<2	0.51	<0.5	19	64	78	5.71	20	6.24	30
I273964		<0.5	7.10	154	910	2.6	<2	0.44	<0.5	16	63	58	5.35	20	6.30	30
I273965		<0.5	7.05	110	990	3.2	<2	1.00	<0.5	14	65	60	3.84	20	6.02	40
I273966		0.6	6.43	344	710	3.4	<2	0.32	<0.5	26	65	150	11.10	20	6.60	30

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CERTIFICATE OF ANALYSIS SD14050162

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10
I273927		0.82	1125	34	0.14	19	1900	164	2.12	8	2	3360	30	0.23	10	<10
I273928		0.93	1265	68	0.12	16	1960	128	1.83	11	2	4720	40	0.24	<10	<10
I273929		0.82	1225	12	0.11	15	2750	128	1.64	10	3	4070	50	0.25	<10	<10
I273930		0.83	1110	23	0.12	16	2820	228	1.87	9	3	6970	110	0.27	<10	<10
I273931		0.63	880	7	0.15	12	2910	222	1.69	9	2	5220	60	0.27	<10	<10
I273932		0.70	914	48	0.18	15	2360	214	1.75	9	3	3450	50	0.31	<10	<10
I273933		0.67	916	7	0.22	16	1930	246	1.75	5	3	3100	40	0.23	<10	<10
I273934		0.77	941	33	0.14	21	2100	169	2.00	12	4	4680	80	0.27	<10	<10
I273935		0.76	994	4	0.13	21	1610	159	1.84	10	3	3170	50	0.24	<10	<10
I273936		1.42	1330	6	0.08	22	3280	179	2.71	10	6	5540	80	0.36	<10	<10
I273937		1.25	1400	5	0.09	23	3650	301	3.00	8	6	6860	80	0.36	<10	<10
I273938		1.09	1320	13	0.12	25	2590	624	2.80	6	5	5660	80	0.33	<10	<10
I273939		0.69	961	5	0.16	17	1440	196	1.50	6	2	3790	50	0.26	<10	<10
I273940		1.44	1550	11	0.11	19	2740	272	1.93	6	5	9590	160	0.32	<10	<10
I273941		1.42	1595	18	0.07	29	3650	695	2.87	8	6	>10000	100	0.36	<10	<10
I273942		2.42	1860	35	0.09	69	4270	255	2.66	11	13	7710	80	0.42	10	<10
I273943		1.95	2240	19	0.20	56	3950	132	3.96	9	10	5980	90	0.47	<10	<10
I273944		1.38	1300	19	0.56	32	1210	41	3.54	12	12	1985	30	0.31	<10	<10
I273945		0.19	196	4	0.14	15	640	32	2.04	<5	5	192	<20	0.13	<10	<10
I273946		0.21	360	1	0.13	18	680	24	1.91	<5	6	160	<20	0.13	10	<10
I273947		0.20	331	4	0.15	17	720	23	2.15	<5	7	157	<20	0.14	<10	<10
I273948		0.38	369	18	0.16	19	700	21	2.22	<5	7	209	<20	0.12	<10	<10
I273949		0.20	96	4	0.10	15	740	14	2.12	<5	6	110	<20	0.12	<10	<10
I273950		0.51	318	<1	0.02	3	190	<2	0.18	<5	1	426	<20	0.02	<10	<10
I273951		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I273952		0.36	557	2	0.10	17	710	14	2.28	<5	7	185	<20	0.10	<10	<10
I273953		0.25	243	6	0.12	21	780	47	3.41	<5	8	202	<20	0.14	<10	<10
I273954		0.21	83	7	0.13	24	840	52	3.96	<5	8	139	<20	0.14	<10	<10
I273955		0.21	70	4	0.13	21	890	60	4.43	<5	10	137	<20	0.14	10	<10
I273956		0.31	508	2	0.13	14	780	45	2.42	<5	6	231	<20	0.10	<10	<10
I273957		0.31	425	5	0.12	17	790	57	3.26	<5	7	209	<20	0.10	<10	<10
I273958		0.39	668	5	0.12	11	840	96	1.91	<5	5	323	<20	0.09	<10	<10
I273959		0.32	531	4	0.12	14	720	49	2.61	<5	5	276	<20	0.09	<10	<10
I273960		0.60	689	1	0.10	13	670	21	1.61	<5	5	410	<20	0.09	<10	<10
I273961		0.70	701	2	0.13	15	780	29	1.81	<5	5	550	<20	0.13	<10	<10
I273962		0.52	722	3	0.10	16	650	24	1.67	<5	5	398	<20	0.09	<10	<10
I273963		0.29	366	<1	0.12	22	590	59	6.00	7	8	228	<20	0.11	10	<10
I273964		0.34	383	2	0.13	15	400	27	5.37	<5	8	157	<20	0.12	<10	<10
I273965		0.47	764	2	0.12	14	160	33	3.40	<5	8	300	<20	0.13	10	<10
I273966		0.44	382	1	0.08	27	120	136	>10.0	<5	11	146	<20	0.11	<10	<10

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CERTIFICATE OF ANALYSIS SD14050162

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I273927		120	50	176
I273928		103	40	136
I273929		119	40	136
I273930		108	50	179
I273931		111	40	265
I273932		108	50	215
I273933		83	30	213
I273934		90	40	196
I273935		87	30	172
I273936		221	50	81
I273937		234	50	100
I273938		161	50	325
I273939		85	30	171
I273940		111	40	172
I273941		223	40	135
I273942		281	60	122
I273943		277	80	249
I273944		155	80	86
I273945		129	30	31
I273946		128	30	39
I273947		163	20	42
I273948		151	20	37
I273949		159	10	82
I273950		7	<10	13
I273951		NSS	NSS	NSS
I273952		129	20	38
I273953		172	30	47
I273954		245	20	70
I273955		357	20	69
I273956		111	10	53
I273957		141	10	40
I273958		83	10	33
I273959		87	10	26
I273960		61	20	27
I273961		85	20	29
I273962		67	20	32
I273963		277	20	40
I273964		307	20	45
I273965		193	20	31
I273966		336	10	62

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Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm
	LOR	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01	10
I273967		<0.5	5.97	94	1390	3.0	3	1.16	<0.5	12	82	39	2.85	20	6.20	30
I273968		<0.5	7.31	42	1860	4.7	4	2.35	<0.5	11	85	79	3.04	30	7.13	40
I273969		<0.5	6.87	33	2110	3.5	<2	3.56	<0.5	11	65	220	3.80	30	6.85	30
I273970		<0.5	7.05	40	1950	1.6	2	4.66	<0.5	13	29	47	3.61	20	7.19	40
I273971		<0.5	6.25	61	1740	1.7	<2	1.60	<0.5	12	58	40	2.52	20	6.03	30
I273972		<0.5	7.45	99	700	6.0	<2	0.67	<0.5	17	64	76	3.79	20	5.83	30
I273973		<0.5	7.28	33	1970	3.7	<2	1.30	<0.5	10	68	24	1.61	20	7.91	40
I273974		<0.5	6.81	67	950	2.1	<2	2.54	<0.5	16	56	35	4.05	20	6.20	30
I273975		<0.5	0.37	<5	20	<0.5	<2	37.0	<0.5	<1	4	3	0.41	<10	0.22	<10
I273976		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I273977		<0.5	6.88	9	2730	1.0	<2	4.01	<0.5	12	53	17	2.04	20	8.20	40
I273978		<0.5	6.38	21	1150	1.0	<2	2.94	<0.5	20	70	25	4.95	20	6.72	30
I273979		<0.5	6.56	27	1230	1.0	<2	3.50	<0.5	17	71	46	4.65	20	6.27	30
I273980		<0.5	7.00	13	2060	1.8	<2	3.70	<0.5	12	105	89	4.49	20	8.53	30
I273981		<0.5	7.23	18	2030	3.0	<2	3.29	<0.5	17	92	110	4.72	20	8.50	40
I273982		<0.5	6.69	11	1970	2.4	<2	5.25	<0.5	15	53	83	4.72	20	7.71	40
I273983		<0.5	7.96	23	2640	5.5	<2	2.99	<0.5	16	58	185	5.07	30	8.19	40
I273984		<0.5	6.80	36	2100	2.6	<2	3.97	<0.5	16	54	164	5.24	20	6.03	40
I273985		<0.5	6.61	43	2990	1.9	<2	4.26	<0.5	23	49	96	4.73	20	6.32	30
I273986		<0.5	7.20	49	1700	6.9	<2	2.45	<0.5	22	55	84	6.55	20	6.29	40
I273987		<0.5	7.40	38	2880	4.0	<2	1.81	<0.5	23	60	91	5.62	20	6.03	40
I273988		<0.5	6.76	37	1420	3.5	<2	1.69	<0.5	24	68	131	5.83	20	5.97	40
I273989		<0.5	6.96	40	2900	2.5	2	3.34	<0.5	18	35	87	3.08	20	6.47	30
I273990		<0.5	7.43	35	1230	1.4	<2	1.97	<0.5	18	32	72	5.04	20	6.38	30
I273991		<0.5	7.09	52	1730	2.6	<2	1.25	<0.5	21	39	115	6.59	20	6.64	40
I273992		<0.5	6.94	42	1840	3.0	<2	1.96	<0.5	14	39	133	4.15	20	5.84	30
I273993		<0.5	6.14	14	1990	2.5	2	3.12	<0.5	10	38	92	3.20	20	7.36	30
I273994		<0.5	6.77	9	3070	2.4	<2	3.71	<0.5	11	40	99	3.75	20	6.74	30
I273995		<0.5	6.56	10	2490	2.5	<2	3.44	<0.5	11	34	93	3.39	20	5.73	30
I273996		<0.5	6.47	20	3440	2.6	<2	2.73	<0.5	12	34	83	2.62	20	6.73	30
I273997		<0.5	6.87	21	4730	2.1	<2	2.88	<0.5	14	37	93	3.37	20	6.02	30
I273998		<0.5	6.91	33	2730	1.9	3	3.60	<0.5	18	44	94	3.16	20	6.28	30
I273999		<0.5	6.39	15	3240	2.7	3	6.42	<0.5	9	34	59	3.60	20	6.39	40
I274000		<0.5	0.45	<5	30	<0.5	<2	35.3	<0.5	<1	5	3	0.43	<10	0.26	10
I274801		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I274802		<0.5	6.79	13	3280	3.0	<2	4.11	<0.5	12	58	54	3.79	30	5.20	30
I274803		<0.5	7.01	<5	3790	6.0	<2	2.44	<0.5	10	45	24	2.95	20	4.20	30
I274804		<0.5	7.60	5	1360	6.2	2	1.62	<0.5	11	47	11	3.01	20	4.02	30
I274805		<0.5	7.23	<5	1240	6.2	2	1.74	<0.5	10	40	26	2.80	20	3.88	30
I274806		<0.5	7.44	5	960	4.2	<2	2.06	<0.5	10	40	23	2.72	20	3.46	30

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **OSISKO MINING LTD.**
P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

Finalized Date: 12-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14050162

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10
I273967		0.50	660	3	0.11	12	200	31	2.41	<5	6	369	<20	0.11	<10	<10
I273968		1.21	1045	2	0.10	22	660	19	1.33	<5	14	703	<20	0.20	10	<10
I273969		1.65	1220	<1	0.10	21	1170	21	1.14	<5	18	973	<20	0.27	<10	<10
I273970		1.98	1390	<1	0.11	15	710	27	1.57	5	13	972	<20	0.19	<10	<10
I273971		0.65	654	1	0.14	13	420	26	1.91	8	8	446	<20	0.13	<10	<10
I273972		0.36	318	<1	0.15	23	550	36	3.62	<5	9	255	<20	0.13	10	<10
I273973		0.56	460	1	0.14	12	600	34	1.01	6	6	411	<20	0.16	<10	<10
I273974		1.08	984	2	0.15	23	540	28	3.20	<5	11	709	<20	0.19	<10	<10
I273975		0.54	327	<1	0.02	5	180	3	0.18	<5	1	446	<20	0.02	<10	<10
I273976		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I273977		1.61	870	<1	0.11	20	400	17	0.33	<5	9	950	<20	0.29	<10	<10
I273978		1.35	1100	1	0.09	32	840	24	3.37	5	11	551	<20	0.21	<10	<10
I273979		1.53	990	1	0.10	24	1120	21	2.72	10	14	540	<20	0.18	<10	<10
I273980		1.80	990	<1	0.10	27	1440	14	0.80	<5	17	586	<20	0.23	<10	<10
I273981		1.57	1075	<1	0.11	28	1450	19	0.84	7	19	482	<20	0.24	10	<10
I273982		2.26	1315	<1	0.29	20	1580	18	0.44	5	21	729	<20	0.24	10	<10
I273983		1.62	1000	<1	0.12	24	2090	24	0.95	5	21	492	<20	0.35	<10	<10
I273984		1.88	1290	<1	0.17	23	1410	19	1.58	7	17	665	<20	0.23	<10	<10
I273985		1.79	1120	1	0.27	25	1560	22	2.25	8	17	1140	<20	0.24	<10	<10
I273986		1.51	1435	<1	0.33	33	2060	20	1.96	8	31	545	<20	0.23	10	<10
I273987		1.12	1055	<1	0.23	34	1850	24	1.47	7	21	373	<20	0.23	<10	<10
I273988		1.06	1170	<1	0.29	33	1610	32	2.41	11	21	420	<20	0.25	<10	<10
I273989		1.29	866	<1	0.40	20	1320	38	1.33	9	10	862	<20	0.19	<10	<10
I273990		1.07	1245	1	0.26	23	1150	33	2.28	9	11	447	<20	0.16	<10	<10
I273991		1.08	1720	<1	0.40	26	1150	27	2.47	7	15	285	<20	0.16	<10	<10
I273992		0.98	974	1	0.27	15	1020	33	1.65	6	10	405	<20	0.16	<10	<10
I273993		1.32	790	<1	0.25	12	910	28	0.56	6	9	573	<20	0.17	<10	<10
I273994		1.57	918	<1	0.21	14	1000	21	0.50	<5	11	698	<20	0.21	<10	<10
I273995		1.56	773	<1	0.09	12	880	13	0.49	<5	10	562	<20	0.16	<10	<10
I273996		1.22	559	<1	0.13	11	850	22	0.56	<5	6	510	<20	0.13	<10	<10
I273997		1.22	670	<1	0.34	13	920	26	0.88	<5	9	672	<20	0.16	10	<10
I273998		1.32	741	<1	0.49	15	1150	22	0.89	<5	10	735	<20	0.21	<10	<10
I273999		2.50	1115	<1	1.03	13	1280	34	0.18	7	14	983	<20	0.28	<10	<10
I274000		0.54	324	<1	0.03	4	220	<2	0.18	<5	1	427	<20	0.02	<10	<10
I274801		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I274802		1.60	1000	<1	2.52	16	1580	16	0.74	<5	15	1050	<20	0.32	<10	<10
I274803		1.16	705	<1	2.03	13	850	23	0.46	<5	8	824	<20	0.19	<10	<10
I274804		1.01	512	1	2.07	13	910	19	0.53	<5	9	545	<20	0.19	10	<10
I274805		1.07	557	1	1.33	12	830	23	0.11	<5	9	530	<20	0.18	<10	<10
I274806		1.03	566	1	2.78	13	810	33	0.21	<5	8	576	<20	0.18	10	<10

***** See Appendix Page for comments regarding this certificate *****

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P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

Finalized Date: 12-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14050162

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I273967		108	20	27
I273968		408	20	75
I273969		369	40	93
I273970		178	40	68
I273971		77	30	42
I273972		167	20	35
I273973		179	20	37
I273974		182	40	50
I273975		7	<10	26
I273976		NSS	NSS	NSS
I273977		89	70	45
I273978		103	60	64
I273979		116	40	78
I273980		264	40	120
I273981		263	40	88
I273982		205	40	88
I273983		421	50	94
I273984		217	40	74
I273985		151	50	67
I273986		206	30	107
I273987		193	30	92
I273988		277	40	88
I273989		143	30	81
I273990		154	30	82
I273991		196	20	115
I273992		118	20	87
I273993		120	20	68
I273994		174	30	77
I273995		125	20	77
I273996		74	20	70
I273997		106	30	59
I273998		130	40	56
I273999		121	40	74
I274000		8	<10	38
I274801		NSS	NSS	NSS
I274802		259	60	72
I274803		127	20	68
I274804		187	30	75
I274805		118	20	73
I274806		113	20	66

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CERTIFICATE OF ANALYSIS SD14050162

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10
I274807		<0.5	6.31	<5	4030	3.4	2	3.16	<0.5	11	36	22	2.85	20	2.86	20
I274808		<0.5	7.15	<5	1490	3.3	<2	2.57	<0.5	8	38	22	2.75	20	3.18	30
I274809		<0.5	7.65	<5	780	3.7	<2	2.19	<0.5	9	39	23	2.64	20	3.60	30
I274810		<0.5	7.32	<5	2140	4.1	<2	2.52	<0.5	9	46	38	2.91	20	3.39	30
I274811		<0.5	7.21	<5	2500	6.1	2	2.01	<0.5	10	41	23	2.66	20	3.45	30
I274812		<0.5	7.70	<5	3680	7.3	4	1.80	<0.5	11	40	20	2.82	20	3.74	30
I274813		<0.5	7.34	<5	4410	6.0	<2	2.24	<0.5	10	46	24	3.13	20	3.38	30
I274814		<0.5	6.92	5	2200	4.4	<2	2.79	<0.5	11	42	35	3.20	20	3.16	30
I274815		<0.5	7.42	6	2340	6.9	<2	2.62	<0.5	12	42	69	3.44	20	3.86	30
I274816		<0.5	7.48	<5	1820	5.9	3	2.18	<0.5	10	45	144	3.13	20	4.16	30
I274817		<0.5	7.48	<5	2160	6.4	<2	2.17	<0.5	9	47	77	2.88	20	3.70	30
I274818		<0.5	7.32	<5	2800	6.8	<2	2.41	<0.5	9	52	79	2.79	20	3.59	30
I274819		<0.5	6.99	<5	3390	6.9	<2	2.36	<0.5	11	44	92	2.83	20	3.70	30
I274820		<0.5	6.93	6	3060	5.8	<2	2.98	<0.5	10	44	74	3.02	20	3.57	30
I274821		<0.5	6.80	<5	1190	7.2	2	2.49	<0.5	9	41	48	2.91	20	3.62	20
I274822		<0.5	6.57	5	1380	5.9	<2	2.62	<0.5	9	43	82	2.82	20	3.41	20
I274823		<0.5	6.83	<5	2020	5.9	2	2.34	<0.5	10	46	92	2.91	20	3.62	20
I274824		<0.5	7.34	<5	1630	6.8	<2	2.53	<0.5	10	48	77	3.16	20	3.80	20
I274825		<0.5	0.41	<5	20	<0.5	<2	36.3	<0.5	1	5	2	0.43	<10	0.22	10
I274826		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I274827		<0.5	7.07	<5	1870	5.7	3	2.34	<0.5	12	42	125	2.96	20	3.53	30
I274828		<0.5	7.38	7	1420	6.3	4	2.33	<0.5	11	44	74	3.04	20	3.63	30
I274829		<0.5	7.17	5	2370	6.3	<2	2.31	<0.5	11	44	72	3.18	20	3.70	30
I274830		<0.5	6.48	5	3090	4.5	4	2.50	<0.5	11	41	54	2.92	20	3.50	20
I274831		<0.5	7.26	<5	1630	5.5	3	2.29	<0.5	13	45	67	3.21	20	3.87	30
I274832		<0.5	7.50	<5	2050	5.2	<2	2.07	<0.5	12	51	99	3.26	20	4.27	20
I274833		<0.5	7.33	<5	1830	4.8	<2	1.93	<0.5	10	42	93	3.04	20	4.05	30
I274834		<0.5	6.47	<5	1660	4.9	2	2.80	<0.5	9	41	183	2.83	20	4.02	20
I274835		<0.5	6.81	5	1690	5.2	<2	2.78	<0.5	11	42	80	2.84	20	4.19	20
I274836		<0.5	6.04	6	3930	4.5	2	3.22	<0.5	9	38	66	2.73	20	3.79	20
I274837		1.0	6.57	5	1890	4.9	5	3.27	<0.5	11	40	86	2.81	20	4.15	20
I274838		<0.5	6.20	6	1670	4.6	<2	2.78	<0.5	9	36	84	2.67	20	4.22	20
I274839		<0.5	7.01	<5	1830	5.2	<2	2.19	<0.5	12	42	103	2.88	20	4.70	20
I274840		<0.5	7.21	6	2140	5.6	2	2.04	<0.5	10	47	120	2.89	20	4.70	20
I274841		<0.5	6.83	10	2630	5.1	<2	2.56	<0.5	10	51	115	3.17	20	4.79	20
I274842		<0.5	6.75	5	1950	5.7	<2	2.30	<0.5	8	50	104	3.05	20	5.07	20
I274843		<0.5	6.65	<5	2420	4.8	3	3.01	<0.5	6	43	112	2.86	30	4.92	20
I274844		<0.5	6.84	6	2180	5.8	4	2.87	<0.5	9	46	106	3.21	30	4.61	20
I274845		<0.5	6.78	16	2790	1.7	<2	2.18	<0.5	9	51	134	2.83	20	4.58	30
I274846		<0.5	6.64	12	2750	1.9	<2	2.14	<0.5	8	44	52	2.56	20	4.61	20

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 12-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14050162

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U
	Units	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10	10
I274807		1.30	778	1	2.31	11	810	24	0.15	<5	7	882	<20	0.16	10	<10
I274808		1.11	609	1	2.38	9	870	24	0.08	<5	8	707	<20	0.18	<10	<10
I274809		1.02	563	<1	2.25	11	850	23	0.04	<5	8	520	<20	0.18	<10	<10
I274810		1.05	735	<1	2.50	12	910	23	0.15	5	8	669	<20	0.18	<10	<10
I274811		0.99	614	1	1.91	11	780	22	0.15	7	7	547	<20	0.16	<10	<10
I274812		0.96	626	1	2.16	14	800	26	0.35	<5	8	626	<20	0.17	<10	<10
I274813		1.08	773	1	2.69	13	800	26	0.31	7	8	612	<20	0.15	<10	<10
I274814		1.20	908	1	3.10	14	770	47	0.23	6	8	704	<20	0.14	<10	<10
I274815		1.28	871	2	2.43	15	800	33	0.22	<5	8	631	<20	0.15	<10	<10
I274816		1.09	615	2	2.49	15	780	33	0.20	<5	8	537	<20	0.15	<10	<10
I274817		1.09	595	1	2.55	15	840	24	0.24	7	9	656	<20	0.16	<10	<10
I274818		1.16	616	2	2.50	13	780	35	0.28	7	8	639	<20	0.16	<10	<10
I274819		1.13	639	2	2.02	16	750	40	0.25	<5	8	799	<20	0.14	<10	<10
I274820		1.31	780	2	2.35	15	740	21	0.36	5	8	933	<20	0.16	<10	<10
I274821		1.22	722	1	1.94	13	720	22	0.26	6	7	699	<20	0.16	<10	<10
I274822		1.24	746	1	2.47	14	700	19	0.23	<5	7	779	<20	0.16	<10	<10
I274823		1.19	702	2	2.37	14	760	27	0.21	<5	7	812	<20	0.17	<10	<10
I274824		1.29	745	2	2.07	17	820	24	0.24	8	8	783	<20	0.18	<10	<10
I274825		0.62	309	1	0.03	<1	170	<2	0.20	<5	1	446	<20	0.02	<10	<10
I274826		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I274827		1.21	704	2	2.04	15	770	23	0.18	<5	8	772	<20	0.18	<10	<10
I274828		1.24	689	2	2.12	15	800	29	0.29	8	8	821	<20	0.19	<10	<10
I274829		1.24	730	1	2.16	14	790	23	0.25	<5	8	951	<20	0.19	<10	<10
I274830		1.11	704	2	2.56	12	790	36	0.33	5	7	1065	<20	0.17	<10	<10
I274831		1.20	744	2	2.01	14	810	41	0.25	7	8	835	<20	0.19	<10	<10
I274832		1.14	676	2	2.15	13	840	25	0.19	<5	8	797	<20	0.19	<10	<10
I274833		1.09	674	1	1.88	13	820	28	0.08	<5	8	697	<20	0.19	<10	<10
I274834		1.27	659	1	1.71	12	780	49	0.14	<5	7	944	<20	0.18	<10	<10
I274835		1.29	646	2	1.63	12	770	27	0.13	7	8	925	<20	0.18	<10	<10
I274836		1.34	675	1	2.13	13	720	30	0.18	<5	6	1130	<20	0.17	<10	<10
I274837		1.40	695	1	1.82	15	770	65	0.12	7	7	1015	<20	0.17	<10	<10
I274838		1.20	661	2	1.40	11	730	35	0.12	5	7	902	<20	0.16	<10	<10
I274839		1.06	622	1	1.41	12	790	33	0.21	<5	7	780	<20	0.18	<10	<10
I274840		1.04	614	1	1.49	20	860	39	0.19	5	8	739	<20	0.19	<10	<10
I274841		1.21	718	1	1.53	20	860	36	0.22	<5	8	891	<20	0.19	10	<10
I274842		1.13	657	<1	1.29	17	820	39	0.15	<5	7	780	<20	0.19	<10	<10
I274843		1.27	728	<1	1.75	12	960	45	0.10	<5	8	1155	<20	0.20	<10	<10
I274844		1.36	736	<1	1.91	16	900	29	0.19	<5	8	922	<20	0.20	<10	<10
I274845		0.92	500	3	0.88	17	560	41	1.36	6	7	728	<20	0.13	<10	<10
I274846		0.95	518	1	1.82	13	670	33	0.79	<5	6	646	<20	0.12	<10	<10

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P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

Finalized Date: 12-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14050162

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I274807		85	10	70
I274808		87	10	63
I274809		89	10	64
I274810		82	10	73
I274811		93	10	66
I274812		159	10	69
I274813		163	10	70
I274814		194	10	67
I274815		156	10	83
I274816		174	10	74
I274817		160	10	71
I274818		125	10	70
I274819		122	10	71
I274820		185	10	69
I274821		141	10	71
I274822		155	20	66
I274823		141	10	68
I274824		95	10	73
I274825		7	<10	19
I274826		NSS	NSS	NSS
I274827		86	10	70
I274828		95	10	73
I274829		141	20	78
I274830		162	10	64
I274831		117	20	77
I274832		140	50	79
I274833		130	20	74
I274834		288	20	88
I274835		103	70	74
I274836		87	80	67
I274837		100	20	85
I274838		120	10	69
I274839		136	20	73
I274840		110	60	80
I274841		208	310	79
I274842		186	30	88
I274843		545	80	99
I274844		493	50	85
I274845		213	50	56
I274846		139	40	58

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **OSISKO MINING LTD.**
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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 12-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14050162

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10
I274847		<0.5	6.68	7	4310	5.0	2	2.67	<0.5	8	43	108	3.02	30	4.71	20
I274848		<0.5	6.85	5	2930	3.3	2	2.39	<0.5	9	44	83	3.09	20	4.60	20
I274849		<0.5	6.59	18	2680	2.2	<2	1.88	<0.5	9	58	112	2.69	20	4.16	30
I274850		<0.5	0.34	<5	20	<0.5	<2	36.2	<0.5	<1	5	2	0.38	<10	0.19	<10
I274851		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I274852		<0.5	6.96	19	2760	1.3	3	2.06	<0.5	7	61	93	2.77	20	4.45	30
I274853		<0.5	6.77	16	1940	0.8	<2	2.24	<0.5	9	52	48	2.68	30	4.57	20
I274854		<0.5	7.11	8	1090	0.7	<2	1.94	<0.5	7	39	92	2.59	30	3.58	20
I274855		<0.5	7.02	11	1530	0.8	3	1.77	<0.5	6	47	33	2.17	30	5.04	20
I274856		<0.5	6.56	21	2380	2.0	3	1.64	<0.5	9	50	66	2.60	20	4.72	30
I274857		<0.5	6.61	18	6280	2.6	6	1.99	<0.5	9	56	96	2.96	20	4.60	30
I274858		<0.5	6.90	18	2430	1.2	2	1.76	<0.5	9	53	86	2.78	20	4.59	30
I274859		<0.5	6.73	22	2020	1.5	2	1.49	<0.5	9	50	85	2.67	20	4.37	30
I274860		<0.5	7.04	25	2210	1.7	<2	1.56	<0.5	9	54	102	2.76	20	4.68	30
I274861		<0.5	7.27	24	2170	1.6	3	3.44	<0.5	9	52	75	2.76	20	5.03	30
I274862		<0.5	6.75	19	2150	2.0	<2	3.86	<0.5	8	56	73	2.87	20	5.11	30
I274863		<0.5	6.49	21	1980	1.3	<2	2.75	<0.5	7	53	84	2.78	20	4.71	30
I274864		<0.5	6.34	17	2080	1.9	<2	2.70	<0.5	6	49	108	2.46	20	4.69	30
I274865		<0.5	6.53	23	2070	2.6	<2	3.00	<0.5	8	50	76	2.59	20	4.81	30
I274866		<0.5	5.91	26	1920	1.9	3	3.00	<0.5	6	48	81	2.28	10	4.64	30
I274867		<0.5	6.15	24	2090	1.2	2	3.04	<0.5	6	49	88	2.43	20	4.56	30
I274868		<0.5	6.45	28	2070	1.5	3	3.17	<0.5	6	53	86	2.49	20	4.96	30
I274869		<0.5	6.18	34	2010	1.4	<2	3.60	<0.5	10	64	82	2.62	20	4.68	30
I274870		<0.5	6.48	36	2580	1.8	3	3.68	<0.5	8	51	66	2.66	20	4.53	30
I274871		<0.5	6.72	53	2410	3.6	<2	4.35	<0.5	7	52	109	2.77	20	4.73	30

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 12-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14050162

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U
	Units	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10	10
I274847		1.29	712	<1	2.43	16	870	20	0.32	<5	7	827	<20	0.16	<10	<10
I274848		1.19	724	1	2.82	15	820	17	0.35	<5	7	666	<20	0.14	<10	<10
I274849		1.03	558	3	0.74	19	660	19	0.65	5	7	540	<20	0.14	<10	<10
I274850		0.52	316	<1	0.02	4	210	<2	0.16	<5	1	430	<20	0.02	<10	10
I274851		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I274852		1.06	573	3	1.17	18	530	32	0.83	6	7	594	<20	0.17	<10	<10
I274853		0.90	476	3	2.20	17	580	39	1.51	5	7	626	<20	0.14	<10	<10
I274854		1.03	617	<1	4.42	11	740	15	0.42	<5	6	534	<20	0.10	<10	<10
I274855		0.74	422	2	3.27	14	380	15	1.04	6	6	480	<20	0.11	<10	<10
I274856		0.83	526	2	0.99	13	650	31	0.95	6	7	482	<20	0.13	<10	<10
I274857		1.15	623	1	0.28	17	730	27	0.65	9	7	812	<20	0.14	<10	<10
I274858		0.93	527	1	0.31	19	700	38	0.98	<5	7	480	<20	0.12	10	<10
I274859		0.69	428	<1	0.24	18	640	19	1.23	<5	6	357	<20	0.11	<10	<10
I274860		0.78	450	<1	0.22	17	790	23	1.13	5	7	376	<20	0.12	<10	<10
I274861		1.38	559	1	0.29	18	740	22	1.03	<5	8	735	<20	0.14	<10	<10
I274862		1.56	597	1	0.27	15	750	25	1.00	5	8	750	<20	0.14	10	<10
I274863		1.10	530	<1	0.25	15	660	20	1.30	5	7	653	<20	0.12	<10	<10
I274864		1.10	496	<1	0.29	14	640	17	0.95	<5	7	580	<20	0.12	<10	<10
I274865		1.20	547	1	0.49	15	700	19	0.99	<5	7	690	<20	0.14	<10	<10
I274866		1.21	514	<1	0.23	13	640	17	0.68	8	6	580	<20	0.12	<10	<10
I274867		1.22	536	<1	0.32	14	660	19	0.75	<5	7	637	<20	0.12	<10	<10
I274868		1.29	554	<1	0.24	14	700	17	0.78	7	7	647	<20	0.12	<10	<10
I274869		1.38	560	1	0.19	18	640	23	0.99	<5	7	811	<20	0.13	<10	<10
I274870		1.38	572	<1	0.20	17	770	26	1.05	<5	7	941	<20	0.15	<10	10
I274871		1.73	640	3	0.19	16	740	18	0.94	12	8	936	<20	0.16	<10	<10

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CERTIFICATE OF ANALYSIS SD14050162

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I274847		199	90	88
I274848		158	20	77
I274849		210	30	64
I274850		6	<10	10
I274851		NSS	NSS	NSS
I274852		184	30	70
I274853		89	30	54
I274854		68	30	78
I274855		71	30	43
I274856		199	20	50
I274857		189	20	65
I274858		126	30	56
I274859		104	20	46
I274860		143	20	50
I274861		137	30	52
I274862		130	40	81
I274863		97	30	49
I274864		118	20	42
I274865		107	30	42
I274866		88	30	47
I274867		88	30	59
I274868		93	20	48
I274869		119	30	49
I274870		111	30	41
I274871		160	30	45

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CERTIFICATE OF ANALYSIS SD14050162

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.
Applies to Method: FND-02

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Applies to Method: ME-ICP61