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: 11-APR-2014
Account: OSIKLI

CERTIFICATE SD14052603

Project: MU

P.O. No.: KL 000348

This report is for 44 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 SD14052603

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
I275913		<0.5	7.29	9	2350	4.5	<2	3.99	<0.5	17	45	301	6.45	30	4.82	50
I275914		<0.5	7.87	12	3940	5.0	2	4.79	<0.5	18	48	293	6.57	30	5.58	60
I275915		<0.5	7.69	9	2730	4.3	5	5.02	<0.5	28	48	167	6.95	30	4.82	60
I275916		<0.5	7.98	11	2390	4.8	2	4.55	<0.5	27	56	155	7.46	30	5.22	60
I275917		<0.5	7.68	19	2270	4.9	<2	3.84	<0.5	24	47	116	5.85	20	5.16	60
I275918		<0.5	7.19	19	2060	4.4	<2	3.96	<0.5	23	41	103	5.16	20	4.68	60
I275919		<0.5	6.97	13	2090	3.8	<2	3.90	<0.5	24	40	115	5.58	20	4.14	60
I275920		<0.5	7.17	18	2100	3.7	3	4.48	<0.5	21	39	105	5.24	20	4.23	60
I275921		<0.5	6.74	18	2160	3.9	3	4.50	<0.5	20	42	106	5.37	20	4.45	50
I275922		<0.5	6.56	14	1890	3.7	<2	4.87	<0.5	20	36	92	5.07	20	4.09	50
I275923		<0.5	6.81	11	1900	3.6	2	6.08	<0.5	19	33	100	5.08	20	3.90	60
I275924		<0.5	7.17	18	2020	4.3	5	4.67	<0.5	25	42	108	5.87	20	4.86	60
I275925		<0.5	0.39	<5	20	<0.5	6	34.6	<0.5	1	4	2	0.40	<10	0.22	10
I275926		0.8	7.86	93	140	4.3	5	2.38	0.5	20	65	85	5.63	20	3.66	10
I275927		<0.5	7.70	12	2090	4.2	<2	5.09	<0.5	22	37	111	5.81	20	4.82	70
I275928		<0.5	7.77	14	2370	4.0	6	3.99	<0.5	22	42	101	5.88	20	5.02	60
I275929		<0.5	6.87	12	2130	3.5	4	5.24	<0.5	19	37	100	5.22	20	4.51	50
I275930		<0.5	7.21	15	2160	3.5	3	5.55	<0.5	21	40	101	5.50	20	4.48	60
I275931		<0.5	7.06	19	1980	3.4	<2	4.40	<0.5	21	49	96	5.08	20	4.43	60
I275932		<0.5	6.63	21	1870	3.4	2	4.05	<0.5	20	44	104	4.88	20	4.48	50
I275933		<0.5	6.78	20	2080	3.1	<2	4.80	<0.5	24	39	98	5.30	20	4.36	60
I275934		<0.5	6.93	21	2400	3.3	<2	4.60	<0.5	22	37	100	5.29	20	4.56	60
I275935		<0.5	7.15	20	2620	3.6	2	4.19	<0.5	20	38	100	5.22	20	4.60	70
I275936		<0.5	7.14	22	2940	4.1	<2	4.48	<0.5	23	41	105	5.24	20	4.84	70
I275937		<0.5	6.92	25	2260	3.9	<2	4.56	<0.5	22	39	102	5.41	20	4.53	50
I275938		<0.5	7.05	25	2090	3.8	4	3.57	<0.5	23	42	100	5.35	20	4.86	50
I275939		<0.5	6.97	22	1980	3.7	<2	3.97	<0.5	24	39	99	5.24	20	4.68	60
I275940		<0.5	6.72	12	2160	3.6	2	4.24	<0.5	20	37	96	5.34	20	4.53	50
I275941		<0.5	6.58	12	1980	7.3	3	4.21	<0.5	23	35	95	5.09	20	4.64	50
I275942		<0.5	7.08	7	2060	10.3	<2	3.95	<0.5	16	31	83	4.53	20	4.53	50
I275943		<0.5	6.94	5	2070	7.0	<2	4.85	<0.5	18	34	97	4.98	20	4.23	50
I275944		<0.5	7.05	<5	2260	7.1	<2	4.08	<0.5	19	39	95	5.24	20	4.37	60
I275945		<0.5	6.82	<5	3290	5.5	<2	4.16	<0.5	21	40	110	5.20	20	4.92	50
I275946		<0.5	6.59	12	1870	3.1	<2	5.02	<0.5	15	43	160	4.96	20	4.38	270
I275947		<0.5	6.79	9	5140	5.4	<2	5.22	<0.5	19	40	147	5.55	20	5.44	110
I275948		<0.5	6.28	6	4420	1.7	<2	4.47	<0.5	9	32	141	4.12	30	4.51	140
I275949		<0.5	6.70	10	1930	2.6	<2	3.83	<0.5	7	18	141	4.15	30	4.97	160
I275950		<0.5	0.37	<5	30	<0.5	<2	36.5	<0.5	<1	4	2	0.37	<10	0.20	<10
I275951		<0.5	8.19	<5	150	3.9	<2	2.58	<0.5	21	79	44	3.44	20	4.29	10
N459651		<0.5	8.55	<5	150	4.0	<2	2.63	<0.5	21	79	42	3.50	20	4.32	10

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Finalized Date: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052603

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
I275913		1.98	1485	1	1.45	21	2840	96	0.07	<5	12	1130	<20	0.39	<10	<10
I275914		2.37	1730	<1	0.96	23	3230	74	0.10	9	13	1470	20	0.41	10	<10
I275915		2.94	1845	<1	1.13	34	3330	20	0.10	5	13	1415	20	0.40	<10	<10
I275916		2.53	1645	1	1.04	26	3300	19	0.07	<5	14	1270	20	0.43	<10	<10
I275917		1.79	1225	<1	0.67	19	2560	14	0.04	6	13	1220	20	0.38	<10	<10
I275918		1.70	1340	1	0.75	16	2250	17	0.03	6	12	1190	20	0.35	10	<10
I275919		1.41	1310	1	1.39	33	2510	22	0.14	5	12	1045	20	0.37	<10	<10
I275920		1.26	1335	<1	1.51	14	2470	29	0.05	<5	12	1205	<20	0.38	10	<10
I275921		1.33	1345	<1	1.12	14	2390	34	0.03	<5	11	1245	<20	0.37	<10	<10
I275922		1.43	1365	<1	1.34	16	2640	21	0.03	<5	11	1450	<20	0.36	<10	<10
I275923		1.52	1590	1	1.29	12	2340	26	0.10	<5	12	1870	20	0.35	<10	<10
I275924		1.77	1330	<1	0.83	17	2750	32	0.03	9	12	1295	20	0.39	<10	<10
I275925		0.52	303	<1	0.03	<1	170	<2	0.18	<5	1	419	<20	0.02	<10	<10
I275926		1.74	445	1	3.45	71	950	54	3.04	<5	5	318	<20	0.54	<10	<10
I275927		1.83	1305	<1	0.69	16	2840	37	0.04	<5	13	1460	20	0.36	<10	<10
I275928		1.47	1070	1	1.06	18	2680	42	0.04	8	13	1370	20	0.36	<10	<10
I275929		1.31	1285	1	1.32	14	2420	48	0.05	<5	12	1660	20	0.35	<10	<10
I275930		1.45	1275	<1	1.20	17	2470	51	0.06	<5	12	2000	20	0.36	<10	<10
I275931		1.43	1105	<1	1.23	23	2440	27	0.04	<5	12	1545	20	0.36	<10	<10
I275932		1.45	1130	1	0.91	20	2310	38	0.04	<5	11	1360	<20	0.34	<10	<10
I275933		1.53	1205	1	1.32	16	2400	22	0.02	<5	12	1505	20	0.36	<10	<10
I275934		1.41	1225	1	1.36	15	2400	22	0.04	6	11	1565	20	0.36	<10	<10
I275935		1.47	1360	<1	0.97	17	2510	41	0.08	<5	12	1465	20	0.36	<10	<10
I275936		1.44	1260	<1	0.64	18	2430	31	0.07	<5	12	1375	20	0.39	<10	<10
I275937		1.33	1240	2	1.14	16	2550	38	0.03	<5	12	1470	<20	0.39	<10	<10
I275938		1.36	1005	1	1.09	18	2670	27	0.04	<5	12	1360	<20	0.38	<10	<10
I275939		1.45	1080	1	1.23	17	2480	24	0.03	6	12	1420	20	0.37	<10	<10
I275940		1.36	1190	<1	1.74	14	2350	29	0.05	<5	11	1430	<20	0.33	<10	<10
I275941		1.28	1140	1	1.44	15	2270	33	0.06	5	10	1265	<20	0.33	<10	<10
I275942		1.39	1350	1	1.64	12	3590	48	0.10	<5	7	1515	20	0.28	<10	<10
I275943		1.44	1385	<1	1.45	17	2610	46	0.10	<5	10	1795	20	0.31	<10	<10
I275944		1.48	1215	<1	1.51	18	2450	14	0.10	6	12	1500	20	0.30	<10	<10
I275945		1.53	1095	1	2.39	17	2460	33	0.16	<5	11	1990	20	0.30	<10	<10
I275946		1.43	1595	34	1.77	23	3590	165	1.08	<5	8	3950	70	0.34	<10	<10
I275947		1.52	1825	7	1.90	29	3650	103	0.33	6	14	2590	40	0.41	<10	<10
I275948		1.11	1615	6	0.91	18	2220	191	0.63	8	5	6980	50	0.38	<10	<10
I275949		0.71	1490	11	0.13	13	1330	86	1.32	<5	3	3650	40	0.36	<10	<10
I275950		0.48	327	1	0.02	2	190	3	0.16	<5	1	457	<20	0.02	10	<10
I275951		2.00	503	2	3.30	85	1130	39	0.01	<5	6	354	<20	0.61	<10	<10
N459651		2.04	513	<1	3.33	86	1150	38	0.01	<5	6	362	<20	0.62	<10	<10

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Project: MU

CERTIFICATE OF ANALYSIS SD14052603

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I275913		303	10	332
I275914		336	10	176
I275915		329	10	213
I275916		332	10	187
I275917		216	10	110
I275918		180	10	93
I275919		203	10	106
I275920		177	10	87
I275921		174	<10	87
I275922		158	<10	83
I275923		156	<10	97
I275924		218	10	135
I275925		7	<10	14
I275926		68	<10	94
I275927		210	<10	135
I275928		218	<10	137
I275929		172	<10	115
I275930		174	<10	126
I275931		161	<10	105
I275932		153	10	110
I275933		163	<10	107
I275934		161	<10	105
I275935		211	10	111
I275936		219	<10	111
I275937		165	<10	117
I275938		171	<10	95
I275939		163	10	97
I275940		158	10	105
I275941		158	10	108
I275942		169	<10	112
I275943		154	<10	113
I275944		167	<10	92
I275945		220	<10	107
I275946		331	10	265
I275947		310	10	177
I275948		410	10	222
I275949		367	<10	98
I275950		6	<10	11
I275951		79	<10	46
N459651		80	<10	46

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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
N459652		<0.5	7.72	8	2690	3.4	<2	3.75	<0.5	8	15	195	4.55	30	5.37	170
N459653		<0.5	7.54	17	2120	3.5	<2	3.68	<0.5	8	14	137	4.51	30	4.97	140
N459654		<0.5	7.17	20	1240	3.1	<2	3.98	<0.5	7	14	145	4.55	30	5.09	140
N459655		<0.5	7.01	19	1640	2.0	<2	3.97	<0.5	9	22	109	4.48	30	4.98	140

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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	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
N459652		0.70	1510	10	0.11	12	1390	64	1.44	<5	3	1710	40	0.37	<10	<10
N459653		0.65	1655	13	0.13	10	1360	72	1.42	6	3	1700	30	0.36	10	<10
N459654		0.64	1635	12	0.11	9	1280	84	1.70	<5	3	1840	30	0.36	10	<10
N459655		0.77	1675	12	0.12	12	1430	66	1.66	<5	3	1720	30	0.39	<10	<10

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Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
N459652		334	<10	77
N459653		347	<10	143
N459654		325	10	93
N459655		320	10	146

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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method: FND-02 ME-ICP61