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 SD14052607

Project: MU

P.O. No.: KL 000348

This report is for 60 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 SD14052607

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
I276235		<0.5	7.78	46	2470	3.0	<2	3.53	<0.5	17	27	36	5.02	20	4.55	60
I276236		<0.5	8.07	51	2480	4.2	<2	3.02	<0.5	17	26	40	4.50	20	4.61	50
I276237		<0.5	7.76	34	2880	3.7	<2	3.42	<0.5	17	27	80	4.59	20	5.32	60
I276238		<0.5	7.66	20	2830	3.8	<2	3.07	<0.5	15	25	77	4.40	20	4.49	50
I276239		<0.5	8.55	75	2670	4.1	<2	2.34	<0.5	15	27	91	4.56	20	4.71	60
I276240		<0.5	7.92	75	2480	3.9	<2	2.71	<0.5	16	29	85	4.59	20	4.68	50
I276241		<0.5	7.64	93	2440	3.2	<2	3.63	<0.5	17	25	96	4.72	10	4.55	60
I276242		<0.5	7.58	96	2730	2.9	<2	4.27	<0.5	14	24	74	4.53	20	4.60	60
I276243		<0.5	7.89	150	2860	2.8	<2	3.55	<0.5	14	25	88	4.25	20	5.40	60
I276244		<0.5	7.87	104	1970	4.1	<2	3.38	<0.5	15	27	81	4.32	20	4.72	60
I276245		<0.5	7.38	74	480	2.4	<2	2.53	<0.5	15	25	48	4.30	20	4.41	50
I276246		<0.5	7.68	96	2290	3.8	<2	3.09	<0.5	17	29	71	4.31	20	4.74	50
I276247		<0.5	7.25	33	3250	0.8	<2	3.43	<0.5	5	14	39	2.98	10	5.16	40
I276248		<0.5	7.74	125	1910	4.3	<2	4.07	<0.5	20	26	57	4.98	20	4.82	60
I276249		<0.5	7.74	56	2410	4.0	<2	3.27	<0.5	14	25	96	4.55	20	4.84	60
I276250		<0.5	0.40	<5	20	<0.5	<2	35.8	<0.5	<1	4	2	0.42	<10	0.22	10
I276251		0.9	7.70	95	140	4.4	4	2.35	<0.5	18	70	89	5.59	20	3.64	10
I276252		<0.5	7.78	15	2260	4.2	<2	2.75	<0.5	13	25	88	4.50	20	5.34	50
I276253		<0.5	7.16	18	2080	3.6	<2	3.67	<0.5	14	24	81	4.42	20	4.67	50
I276254		<0.5	7.43	20	1960	4.3	<2	3.33	<0.5	15	27	86	4.36	20	4.93	50
I276255		<0.5	6.92	21	2290	3.5	<2	3.43	<0.5	12	24	78	3.97	20	4.79	50
I276256		<0.5	7.47	61	2460	3.3	<2	3.45	<0.5	12	26	100	4.42	20	4.77	50
I276257		<0.5	7.87	51	2500	4.0	<2	2.89	<0.5	14	26	88	4.65	20	5.42	60
I276258		<0.5	8.12	18	2400	3.8	<2	2.02	<0.5	16	27	92	4.61	20	4.56	50
I276259		<0.5	7.69	11	2500	4.0	<2	2.73	<0.5	15	28	90	4.54	20	4.14	50
I276260		<0.5	7.72	10	2460	4.0	<2	3.49	<0.5	14	25	92	4.54	20	5.03	50
I276261		<0.5	7.31	34	2450	3.9	<2	3.02	<0.5	14	29	83	4.40	20	4.92	50
I276262		<0.5	7.02	55	1950	2.9	<2	4.25	<0.5	13	25	88	4.16	20	4.04	50
I276263		<0.5	7.20	22	2150	3.1	<2	3.36	<0.5	12	24	94	4.17	20	4.47	50
I276264		<0.5	8.26	64	2540	4.0	<2	2.63	<0.5	16	27	98	4.41	20	5.35	60
I276265		<0.5	7.82	35	1980	4.0	<2	3.37	<0.5	15	26	94	4.20	20	4.59	50
I276266		<0.5	7.30	54	1800	4.3	<2	3.43	<0.5	14	28	84	4.24	30	4.60	50
I276267		<0.5	7.58	32	2730	4.2	<2	3.07	<0.5	15	27	84	4.15	20	4.41	50
I276268		<0.5	7.52	32	2320	4.0	<2	3.27	<0.5	15	24	79	4.52	20	4.80	50
I276269		<0.5	8.16	31	2240	4.7	<2	2.73	<0.5	13	25	92	4.40	20	5.44	50
I276270		<0.5	7.72	35	2120	4.4	<2	4.40	<0.5	15	25	75	4.30	20	5.17	70
I276271		<0.5	8.29	47	1880	4.0	<2	2.47	<0.5	14	22	83	4.33	20	4.22	50
I276272		<0.5	8.02	50	2640	3.6	<2	2.81	<0.5	15	37	90	4.28	20	5.04	50
I276273		<0.5	8.03	102	2440	3.6	<2	3.04	<0.5	12	23	124	4.31	20	4.96	50
I276274		<0.5	7.64	46	2210	3.2	<2	3.69	0.5	12	21	86	3.74	20	4.44	50

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Finalized Date: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052607

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
I276235		1.05	1350	<1	2.10	10	2150	6	1.83	<5	7	1575	20	0.28	<10	<10
I276236		1.04	997	<1	1.87	8	2300	14	1.64	<5	7	1560	20	0.29	<10	<10
I276237		1.10	1060	<1	2.13	9	2280	27	1.44	<5	7	1925	20	0.31	<10	<10
I276238		1.08	1000	<1	2.33	10	2260	10	0.50	<5	7	1835	20	0.31	10	<10
I276239		0.93	837	<1	2.21	7	2330	17	0.95	<5	8	1370	20	0.32	<10	<10
I276240		1.19	1100	<1	2.29	8	2620	47	1.03	<5	7	1500	30	0.29	<10	<10
I276241		1.37	1105	1	1.86	8	2390	34	1.87	<5	7	1850	30	0.29	<10	<10
I276242		1.61	1200	1	1.67	11	2310	33	1.56	7	7	2080	30	0.28	<10	<10
I276243		1.34	1075	<1	1.84	10	2320	56	1.46	<5	7	1825	20	0.29	10	<10
I276244		1.41	1055	1	1.57	9	2120	57	2.10	<5	7	1820	20	0.29	<10	<10
I276245		0.90	820	5	2.97	9	2040	98	3.25	5	7	1525	20	0.24	<10	<10
I276246		1.08	970	<1	1.94	9	2280	13	1.74	<5	7	1750	20	0.28	<10	<10
I276247		1.03	1015	<1	0.36	4	1670	20	1.05	<5	5	2300	20	0.14	<10	<10
I276248		1.57	1260	<1	1.62	11	2320	21	2.19	<5	7	2020	20	0.30	<10	<10
I276249		1.22	992	<1	1.53	8	2230	30	1.06	<5	7	1950	20	0.28	<10	<10
I276250		0.54	333	<1	0.03	2	200	2	0.17	<5	1	432	<20	0.02	<10	<10
I276251		1.78	448	<1	3.49	72	990	52	2.93	<5	5	318	<20	0.53	<10	<10
I276252		1.11	980	<1	1.97	7	2280	37	0.15	<5	7	1575	20	0.31	<10	<10
I276253		1.40	1140	<1	2.44	6	2250	50	0.11	<5	6	1965	30	0.29	<10	<10
I276254		1.38	1060	<1	2.07	10	2280	31	0.25	<5	7	1795	30	0.31	<10	<10
I276255		1.35	1015	<1	2.01	7	2220	13	0.39	<5	6	1805	20	0.28	<10	<10
I276256		1.27	1025	<1	2.26	8	2320	41	1.05	<5	7	1825	20	0.29	<10	<10
I276257		1.23	1080	<1	1.95	8	2310	36	0.72	<5	7	1535	20	0.29	<10	<10
I276258		0.92	809	<1	2.17	10	2340	30	0.37	<5	8	1265	20	0.30	<10	<10
I276259		1.10	941	<1	1.83	9	2350	25	0.11	<5	7	1670	20	0.32	<10	<10
I276260		1.00	962	<1	1.76	10	2340	33	0.31	<5	7	1790	20	0.34	<10	<10
I276261		1.10	948	<1	1.71	8	2170	33	0.76	<5	7	1715	20	0.30	<10	<10
I276262		1.59	1085	<1	2.55	10	2030	56	1.44	<5	7	2190	20	0.27	<10	<10
I276263		1.36	1025	<1	2.42	8	2250	61	0.63	<5	7	1610	20	0.29	<10	<10
I276264		1.30	912	<1	1.79	8	2460	23	0.15	<5	7	1200	20	0.31	<10	<10
I276265		1.43	963	<1	2.16	8	2120	31	0.68	<5	7	1620	20	0.30	<10	<10
I276266		1.44	1005	<1	1.52	9	1760	35	0.30	<5	7	1550	20	0.27	<10	<10
I276267		1.44	881	<1	0.25	10	1970	225	1.22	<5	6	1535	20	0.25	<10	<10
I276268		1.41	1110	<1	2.17	8	1950	43	0.10	<5	6	1640	20	0.29	<10	<10
I276269		1.46	956	<1	1.35	8	2010	32	0.07	<5	7	1355	20	0.31	<10	<10
I276270		2.02	1070	<1	0.60	10	1740	58	1.03	<5	7	2250	30	0.26	10	<10
I276271		1.24	820	<1	1.26	10	2200	23	2.17	<5	6	1375	20	0.26	<10	<10
I276272		1.15	1025	<1	2.34	10	2290	48	1.15	<5	7	1660	20	0.28	<10	<10
I276273		1.21	946	<1	2.27	9	2190	23	0.36	<5	6	1645	20	0.28	10	<10
I276274		1.21	956	<1	2.83	9	2210	86	0.15	<5	6	1615	20	0.28	<10	<10

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Finalized Date: 11-APR-2014
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Project: MU

CERTIFICATE OF ANALYSIS SD14052607

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I276235		116	<10	41
I276236		127	<10	41
I276237		123	<10	47
I276238		124	<10	43
I276239		134	<10	108
I276240		123	<10	120
I276241		127	<10	101
I276242		117	<10	118
I276243		121	<10	123
I276244		123	<10	141
I276245		94	<10	159
I276246		120	<10	43
I276247		32	<10	40
I276248		132	<10	73
I276249		123	<10	191
I276250		6	<10	9
I276251		70	<10	99
I276252		131	<10	123
I276253		120	<10	126
I276254		127	<10	106
I276255		116	<10	39
I276256		124	<10	153
I276257		124	<10	127
I276258		131	<10	119
I276259		134	<10	109
I276260		131	<10	134
I276261		125	<10	108
I276262		110	<10	121
I276263		128	<10	136
I276264		142	<10	122
I276265		121	<10	74
I276266		123	<10	142
I276267		111	<10	153
I276268		120	<10	113
I276269		127	<10	105
I276270		106	<10	95
I276271		115	<10	108
I276272		122	<10	110
I276273		123	<10	107
I276274		118	<10	322

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CERTIFICATE OF ANALYSIS SD14052607

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
I276275		<0.5	0.33	<5	20	<0.5	<2	36.2	<0.5	<1	3	2	0.35	<10	0.18	10
I276276		<0.5	8.16	<5	150	3.9	<2	2.63	<0.5	20	78	39	3.48	20	4.28	10
I276277		<0.5	7.16	49	2120	3.5	<2	3.99	<0.5	13	25	82	3.70	20	4.87	50
I276278		<0.5	7.27	119	1990	3.7	<2	3.45	<0.5	13	21	71	4.19	20	4.56	40
I276279		<0.5	7.66	81	1740	3.5	<2	3.01	<0.5	14	36	62	4.03	20	4.93	50
I276280		<0.5	7.88	64	1700	3.8	<2	3.17	<0.5	12	20	75	4.41	20	5.14	50
I276281		<0.5	8.47	55	1650	4.5	<2	2.30	<0.5	16	75	82	4.69	20	5.52	50
I276282		<0.5	8.16	54	1920	3.7	<2	2.40	<0.5	11	24	73	3.69	20	5.29	50
I276283		<0.5	8.27	89	1720	3.6	<2	3.05	<0.5	24	174	81	5.24	20	5.12	60
I276284		<0.5	7.73	101	1660	3.3	<2	2.86	<0.5	23	240	87	5.15	20	4.91	50
I276285		<0.5	7.52	91	1400	3.4	<2	3.73	<0.5	26	266	84	5.46	20	4.47	50
I276286		<0.5	8.98	117	2870	4.0	<2	1.50	<0.5	12	21	79	4.61	20	4.87	70
I276287		<0.5	9.02	43	2980	4.4	<2	1.58	<0.5	13	21	82	4.10	20	4.65	70
I276288		<0.5	8.75	103	2980	4.4	<2	1.78	<0.5	11	20	78	3.88	20	4.55	60
I276289		<0.5	8.42	23	2470	4.5	<2	2.02	<0.5	11	20	79	3.94	20	5.55	60
I276290		<0.5	8.27	27	2700	3.7	<2	2.35	<0.5	11	19	78	3.93	20	4.67	50
I276291		<0.5	8.00	70	2370	3.5	<2	2.45	<0.5	11	19	78	3.85	20	4.92	40
I276292		<0.5	7.95	73	2240	3.8	<2	2.67	<0.5	11	19	57	3.96	20	5.13	50
I276293		0.5	8.76	22	2290	4.0	<2	2.11	<0.5	13	20	87	4.12	20	5.48	60
I276294		0.7	7.80	42	1960	3.8	<2	2.67	<0.5	13	18	79	3.92	20	4.91	50

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CERTIFICATE OF ANALYSIS SD14052607

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
I276275		0.45	305	<1	0.03	2	170	4	0.14	7	1	427	<20	0.02	<10	<10
I276276		2.04	493	<1	3.31	83	1100	35	0.01	<5	6	348	<20	0.60	<10	10
I276277		1.47	983	<1	1.57	8	1840	71	0.14	<5	6	1955	20	0.27	<10	<10
I276278		1.48	1005	<1	1.06	10	1990	44	1.52	<5	5	1810	20	0.25	<10	<10
I276279		1.40	851	2	1.06	12	1830	36	1.87	6	6	1590	20	0.24	<10	<10
I276280		1.49	1065	1	1.11	9	1920	32	2.01	<5	5	1650	20	0.24	<10	<10
I276281		1.49	891	<1	0.49	22	2040	33	1.81	<5	9	1190	20	0.25	<10	<10
I276282		1.18	769	<1	1.14	10	1970	20	1.74	<5	6	1230	20	0.25	<10	<10
I276283		1.74	1020	<1	0.80	38	2050	33	1.55	<5	15	1550	20	0.27	<10	<10
I276284		1.59	897	<1	0.81	48	2080	34	1.77	<5	17	1460	20	0.26	<10	<10
I276285		1.88	1105	<1	0.81	49	1970	38	1.36	<5	20	1885	20	0.26	<10	<10
I276286		1.15	1150	<1	1.29	8	2000	45	0.90	<5	6	1020	20	0.24	10	<10
I276287		1.02	956	<1	1.21	6	2020	56	1.25	<5	6	1170	20	0.24	<10	<10
I276288		1.08	999	<1	1.38	8	2030	20	0.48	<5	6	1275	20	0.24	10	<10
I276289		1.09	946	<1	1.37	7	1970	28	0.77	<5	6	1300	20	0.25	<10	<10
I276290		0.83	893	<1	2.00	7	1980	36	0.57	<5	5	1445	20	0.26	10	<10
I276291		0.75	845	<1	2.60	7	1890	22	0.27	<5	5	1440	20	0.27	<10	<10
I276292		0.91	889	<1	2.30	7	1920	78	1.50	<5	5	1570	20	0.25	10	<10
I276293		0.98	956	<1	2.17	7	1980	75	0.58	<5	6	1410	20	0.28	<10	<10
I276294		0.99	1010	<1	2.17	8	1880	91	0.90	<5	5	1540	20	0.27	<10	<10

***** 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: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052607

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I276275		6	<10	13
I276276		79	<10	45
I276277		108	<10	104
I276278		108	<10	147
I276279		100	<10	96
I276280		108	<10	110
I276281		128	<10	93
I276282		106	<10	80
I276283		149	<10	137
I276284		164	<10	111
I276285		162	<10	108
I276286		106	<10	99
I276287		108	<10	115
I276288		104	<10	90
I276289		109	<10	114
I276290		108	<10	92
I276291		102	<10	110
I276292		109	<10	80
I276293		108	<10	82
I276294		101	<10	48

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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