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 VO14052622

Project: MU

P.O. No.: KL 000348

This report is for 64 Drill Core samples submitted to our lab in Val d'Or, QC, 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 VO14052622

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
H410388		0.5	6.50	60	4930	2.8	<2	0.54	<0.5	90	526	157	8.06	20	5.55	60
H410389		1.1	4.96	65	3820	4.2	2	0.16	<0.5	28	101	158	10.25	20	4.69	120
H410390		0.5	5.94	27	1430	3.2	4	1.47	<0.5	20	432	80	5.07	20	5.10	130
H410391		0.6	4.90	23	1160	1.1	5	3.22	<0.5	13	110	80	3.41	20	5.44	100
H410392		0.5	5.65	27	780	1.3	3	2.98	<0.5	21	154	199	4.24	20	4.89	140
H410393		0.8	6.23	22	9840	1.7	2	0.43	<0.5	25	255	158	4.79	30	4.76	180
H410394		0.9	6.54	22	>10000	2.0	5	0.42	<0.5	38	740	156	6.51	30	5.90	240
H410395		0.9	6.58	29	>10000	1.0	2	0.26	<0.5	18	168	153	4.40	20	5.57	230
H410396		0.8	5.56	39	>10000	1.2	<2	0.29	<0.5	24	167	123	5.23	20	4.75	180
H410397		1.0	6.16	19	1910	0.9	3	2.64	<0.5	19	50	410	4.41	20	5.22	140
H410398		0.7	5.47	23	1460	1.2	2	2.75	<0.5	13	137	171	3.55	20	5.01	110
H410399		0.6	6.36	23	1820	1.8	6	2.17	<0.5	19	113	245	4.01	20	5.93	130
H410400		<0.5	0.42	6	110	<0.5	<2	36.3	<0.5	<1	5	4	0.43	<10	0.24	10
H410401		1.2	8.05	101	140	4.4	8	2.43	0.5	20	66	84	5.67	20	3.82	10
H410402		0.8	5.42	25	560	0.8	3	0.79	<0.5	11	44	183	2.47	20	4.78	130
H410403		1.0	5.34	24	1130	0.8	6	1.96	<0.5	8	46	194	2.38	20	4.94	150
H410404		0.8	5.93	15	2260	0.9	<2	1.30	<0.5	6	34	173	1.90	20	4.95	110
H410405		0.8	6.21	15	2350	0.9	3	1.11	<0.5	8	47	211	2.08	20	4.98	80
H410406		0.7	6.16	35	680	0.9	<2	0.65	<0.5	12	45	272	2.77	20	4.74	120
H410407		0.9	6.00	26	4700	1.1	<2	0.23	<0.5	10	36	160	3.74	20	4.97	120
H410408		0.8	5.82	14	3500	0.6	3	0.29	<0.5	7	35	166	1.50	20	4.98	110
H410409		0.8	6.99	15	6780	0.7	3	0.17	<0.5	4	29	181	1.26	20	5.88	110
H410410		<0.5	5.67	17	1230	0.7	<2	0.56	<0.5	9	42	152	1.83	20	4.91	140
H410411		<0.5	5.99	29	1050	1.0	<2	0.75	<0.5	13	58	316	3.54	20	4.76	180
H410412		<0.5	5.50	35	280	0.7	<2	2.09	<0.5	17	56	330	4.01	20	4.48	140
H410413		0.5	6.22	37	370	0.9	<2	1.43	<0.5	23	73	396	5.23	20	4.45	140
H410414		0.6	6.74	27	620	1.2	<2	1.37	<0.5	23	121	317	4.71	20	4.66	170
H410415		0.6	6.15	25	530	0.9	<2	2.30	<0.5	19	107	299	4.13	20	4.58	160
H410416		2.0	7.31	27	760	0.9	<2	2.91	<0.5	9	39	170	2.84	30	4.55	190
H410417		1.4	7.44	21	700	1.0	<2	2.95	<0.5	9	33	149	2.97	30	4.68	350
H410418		0.6	7.05	21	610	0.9	<2	2.85	<0.5	10	49	162	2.87	30	4.90	310
H410419		<0.5	4.98	12	590	1.2	<2	5.16	<0.5	21	134	492	4.09	20	4.91	40
H410420		<0.5	1.93	6	1360	0.6	<2	2.85	<0.5	9	85	261	2.06	10	2.46	20
H410421		<0.5	6.52	23	830	1.0	<2	3.30	<0.5	14	77	194	3.29	30	5.06	170
H410422		0.5	6.73	19	470	1.2	<2	3.84	<0.5	20	96	181	3.86	30	4.14	170
H410423		1.0	6.85	21	700	1.4	<2	3.36	<0.5	10	44	252	3.01	30	4.36	290
H410424		1.3	7.25	22	670	1.1	<2	3.69	<0.5	11	46	232	3.20	30	4.95	370
H410425		<0.5	0.43	<5	110	<0.5	<2	37.6	<0.5	1	6	6	0.43	<10	0.27	10
H410426		<0.5	8.49	<5	170	4.3	<2	2.89	<0.5	24	87	44	3.81	30	4.64	10
H410427		0.6	6.49	22	510	1.3	<2	4.60	<0.5	17	90	242	4.01	30	4.90	210

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Finalized Date: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14052622

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
H410388		2.25	551	42	0.16	645	800	221	0.31	13	12	243	20	0.33	<10	10
H410389		0.31	866	51	0.21	169	2710	112	0.42	12	6	386	30	0.10	<10	<10
H410390		1.58	647	14	0.07	195	2270	65	0.95	14	12	827	50	0.30	<10	<10
H410391		1.55	1125	19	0.19	61	2210	117	1.19	13	5	1265	70	0.27	10	<10
H410392		1.44	840	7	0.11	94	3050	113	1.45	15	10	1235	60	0.37	<10	<10
H410393		0.46	334	15	0.06	142	2500	115	0.25	18	12	585	70	0.34	<10	<10
H410394		1.29	2120	44	0.08	251	2330	159	0.23	16	21	564	90	0.42	<10	<10
H410395		0.37	528	24	0.08	94	2160	54	0.28	19	10	480	90	0.39	<10	<10
H410396		0.38	593	27	0.06	113	2100	55	0.28	12	10	440	70	0.26	<10	<10
H410397		0.92	904	14	0.17	46	3260	156	3.10	18	7	1110	50	0.37	<10	<10
H410398		1.14	858	33	0.20	62	2310	166	1.49	11	7	1215	40	0.31	<10	<10
H410399		0.82	770	50	0.69	59	2740	238	2.09	14	9	930	50	0.31	10	<10
H410400		0.57	327	<1	0.03	6	210	5	0.19	<5	1	443	<20	0.02	10	<10
H410401		1.81	455	<1	3.57	77	990	55	3.01	<5	5	328	<20	0.54	<10	<10
H410402		0.18	188	24	0.29	26	2130	379	1.93	12	4	516	40	0.24	<10	<10
H410403		0.70	702	16	0.11	22	1700	294	1.67	10	4	799	40	0.19	<10	<10
H410404		0.44	468	15	0.23	15	1530	282	1.38	8	3	662	30	0.17	<10	<10
H410405		0.37	469	14	0.13	23	1170	282	1.03	6	3	508	30	0.15	10	<10
H410406		0.15	498	24	0.50	24	2010	160	2.35	9	4	462	40	0.28	<10	<10
H410407		0.04	955	20	0.16	30	1470	171	0.56	8	3	315	30	0.14	10	<10
H410408		0.04	165	18	0.11	15	1360	144	0.83	7	2	321	30	0.16	<10	<10
H410409		0.03	167	12	0.12	11	940	153	0.21	7	1	239	30	0.11	<10	<10
H410410		0.18	287	41	0.09	26	1170	113	1.10	7	2	343	30	0.16	<10	<10
H410411		0.18	780	41	0.10	28	1860	108	1.34	7	4	437	50	0.20	<10	<10
H410412		0.72	1055	37	0.21	30	1890	137	2.69	10	6	651	40	0.28	<10	<10
H410413		0.47	1470	52	0.27	41	1690	85	3.29	12	8	505	40	0.32	<10	<10
H410414		0.45	1730	44	0.21	53	1630	117	1.88	10	11	523	30	0.26	<10	<10
H410415		0.86	1035	48	0.26	49	1270	100	2.61	11	8	706	30	0.27	<10	<10
H410416		0.87	1125	3	0.13	22	2570	577	1.98	12	4	1020	30	0.25	10	<10
H410417		0.89	1205	12	0.14	19	3020	415	2.09	7	3	1140	50	0.28	<10	<10
H410418		0.95	1015	41	0.20	25	2320	231	1.90	9	4	987	50	0.25	<10	<10
H410419		2.23	1385	145	1.08	57	220	33	2.12	5	17	1330	<20	0.21	<10	<10
H410420		1.17	729	38	0.14	19	360	51	0.96	<5	8	751	<20	0.07	<10	<10
H410421		1.21	958	58	0.61	32	1760	80	2.20	8	9	1030	30	0.28	<10	<10
H410422		1.52	1120	70	1.47	50	1460	156	2.52	8	11	1090	30	0.26	10	<10
H410423		1.07	1100	29	0.16	20	3340	572	2.02	10	5	1250	50	0.28	<10	<10
H410424		1.16	1165	50	0.18	24	3910	518	2.07	8	6	1330	60	0.29	<10	<10
H410425		0.49	351	<1	0.03	2	220	8	0.19	<5	1	466	<20	0.02	<10	<10
H410426		2.20	554	<1	3.61	91	1260	36	0.01	<5	7	371	<20	0.65	<10	<10
H410427		1.75	1315	56	0.52	44	2340	202	2.48	7	12	1360	40	0.32	<10	<10

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14052622

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
H410388		125	20	1375
H410389		109	30	833
H410390		372	50	296
H410391		252	30	85
H410392		391	50	127
H410393		515	50	459
H410394		804	70	642
H410395		329	50	254
H410396		290	40	270
H410397		155	60	59
H410398		280	50	96
H410399		207	50	106
H410400		8	<10	23
H410401		70	<10	98
H410402		91	40	38
H410403		96	30	43
H410404		72	30	39
H410405		98	30	57
H410406		119	50	48
H410407		73	30	143
H410408		80	30	44
H410409		56	30	39
H410410		79	40	42
H410411		96	50	112
H410412		116	60	71
H410413		159	60	108
H410414		183	60	122
H410415		166	60	99
H410416		121	60	37
H410417		145	60	36
H410418		149	60	35
H410419		345	50	60
H410420		134	20	34
H410421		176	70	44
H410422		221	60	60
H410423		127	70	58
H410424		117	60	52
H410425		8	<10	15
H410426		86	<10	50
H410427		234	70	68

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CERTIFICATE OF ANALYSIS VO14052622

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
H410428		<0.5	6.19	28	660	1.3	<2	4.78	<0.5	25	127	145	4.56	30	5.42	80
H410429		<0.5	5.92	25	400	1.2	<2	4.64	<0.5	24	118	171	4.92	30	4.53	80
H410430		0.5	5.03	23	630	1.9	<2	3.59	<0.5	18	112	149	3.64	20	4.81	60
H410431		<0.5	5.16	19	400	0.9	<2	3.08	<0.5	13	98	107	3.14	20	4.53	60
H410432		<0.5	6.11	20	620	1.2	<2	3.78	<0.5	14	115	187	3.48	30	4.64	120
H410433		1.0	6.74	20	530	1.7	<2	3.37	<0.5	15	84	146	3.53	30	4.92	140
H410434		0.5	5.49	18	600	1.0	<2	3.45	<0.5	14	96	155	3.37	20	4.27	130
H410435		<0.5	5.76	20	600	1.0	<2	4.21	<0.5	15	106	151	3.68	20	5.00	120
H410436		<0.5	6.44	23	380	1.6	<2	4.65	<0.5	18	115	90	4.15	30	4.26	200
H410437		0.7	6.13	23	630	2.2	<2	7.07	<0.5	20	259	202	4.90	30	3.30	150
H410438		<0.5	5.95	35	540	2.8	<2	5.98	<0.5	26	403	307	5.20	30	4.67	140
H410439		<0.5	5.82	25	460	10.0	<2	6.12	<0.5	35	368	102	5.49	40	3.53	70
H410440		<0.5	5.94	23	250	1.7	<2	4.78	<0.5	21	154	234	4.85	30	5.02	130
H410441		<0.5	6.22	25	570	1.3	<2	5.06	<0.5	18	88	197	4.61	20	4.76	170
H410442		0.7	6.72	22	280	1.2	<2	5.21	<0.5	17	42	195	5.17	30	4.69	210
H410443		<0.5	7.04	18	1120	1.4	<2	5.36	<0.5	16	55	131	5.12	30	4.83	210
H410444		0.9	5.87	16	560	1.4	<2	6.97	<0.5	21	35	236	6.31	20	5.11	280
H410445		1.5	5.53	23	280	1.3	<2	6.74	<0.5	25	18	254	7.92	30	4.89	430
H410446		1.0	5.66	28	900	1.3	<2	6.26	<0.5	25	21	188	7.13	30	4.54	390
H410447		<0.5	6.47	27	700	0.9	3	4.52	<0.5	12	30	90	4.56	30	4.97	200
H410448		0.5	6.11	26	1130	1.2	4	5.53	<0.5	13	36	309	5.25	30	5.15	320
H410449		0.6	6.48	27	2490	1.2	3	4.82	<0.5	13	36	139	4.70	30	5.16	250
H410450		<0.5	0.39	5	60	<0.5	<2	35.4	<0.5	<1	4	2	0.40	<10	0.22	10
H410451		1.1	7.94	90	140	4.2	2	2.34	<0.5	19	64	77	5.61	20	3.66	10

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CERTIFICATE OF ANALYSIS VO14052622

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
H410428		2.09	1290	33	1.06	67	720	40	2.74	7	17	1320	20	0.30	<10	<10
H410429		2.04	1275	44	1.24	69	910	35	3.30	6	16	1230	20	0.30	<10	<10
H410430		1.54	1015	61	0.83	52	310	98	2.38	6	11	1000	20	0.22	<10	<10
H410431		1.19	943	88	0.14	35	1270	159	2.14	7	8	931	20	0.19	<10	<10
H410432		1.53	1095	30	0.73	43	1540	76	2.07	6	10	1080	30	0.25	<10	<10
H410433		1.24	976	39	0.69	41	1970	126	2.38	9	8	1060	30	0.25	<10	<10
H410434		1.29	979	61	0.42	40	1360	104	2.18	7	9	1500	30	0.21	<10	<10
H410435		1.58	1245	48	0.37	40	1440	77	2.23	8	9	3370	40	0.24	<10	<10
H410436		1.69	1270	41	1.83	58	2330	52	2.40	13	9	4450	50	0.31	<10	<10
H410437		3.08	1920	221	3.19	124	860	81	1.52	14	14	6010	50	0.30	<10	<10
H410438		4.00	1545	14	2.06	243	320	81	1.66	14	16	6360	50	0.35	<10	<10
H410439		4.22	1540	12	2.87	226	480	35	2.03	12	19	4020	30	0.29	<10	<10
H410440		2.17	1395	27	1.70	85	2080	58	2.90	10	11	5760	50	0.33	10	<10
H410441		1.78	1530	15	0.99	44	2400	94	2.75	9	10	5830	60	0.33	<10	<10
H410442		1.59	1745	33	2.43	27	3220	83	2.53	11	8	6470	70	0.39	<10	<10
H410443		1.58	1730	30	2.83	25	3080	44	1.26	7	8	5720	60	0.37	<10	<10
H410444		1.73	2540	15	1.64	21	3860	98	1.40	14	9	9920	80	0.49	10	<10
H410445		1.47	2780	11	0.10	18	4710	207	2.00	15	7	>10000	130	0.66	10	<10
H410446		1.36	2610	10	0.12	22	4190	129	2.84	17	6	9420	110	0.63	<10	<10
H410447		1.07	1680	18	0.38	25	2310	162	1.76	9	4	6410	70	0.42	10	<10
H410448		1.34	2050	16	0.35	27	2950	196	1.30	6	6	6660	90	0.45	<10	<10
H410449		1.22	1840	28	0.40	23	2480	196	1.65	10	5	6000	80	0.40	10	<10
H410450		0.58	326	<1	0.03	3	170	<2	0.15	<5	1	441	<20	0.02	<10	<10
H410451		1.75	435	<1	3.46	73	930	54	2.94	5	5	316	<20	0.52	<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 VO14052622

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
H410428		311	70	72
H410429		277	70	72
H410430		196	60	57
H410431		147	50	58
H410432		194	60	68
H410433		164	60	49
H410434		165	50	59
H410435		179	50	74
H410436		313	70	72
H410437		548	60	140
H410438		748	60	258
H410439		830	50	235
H410440		329	60	126
H410441		197	60	100
H410442		461	40	66
H410443		422	20	72
H410444		480	30	110
H410445		670	40	103
H410446		420	40	102
H410447		283	20	104
H410448		442	20	117
H410449		383	20	108
H410450		6	<10	12
H410451		67	<10	91

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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