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 VO14052621

Project: MU

P.O. No.: KL 000348

This report is for 55 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 VO14052621

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
H410452		<0.5	6.06	23	740	1.5	3	4.96	<0.5	16	20	163	5.67	30	5.89	260
H410453		<0.5	5.00	24	460	1.8	4	6.19	<0.5	23	17	292	7.77	30	5.28	410
H410454		<0.5	5.81	29	580	1.5	<2	5.19	<0.5	19	12	252	6.28	30	6.11	360
H410455		<0.5	6.81	38	520	1.3	<2	2.70	<0.5	9	7	109	4.20	30	5.95	180
H410456		<0.5	6.75	29	820	1.2	2	3.81	<0.5	9	32	100	4.43	30	6.07	230
H410457		1.2	6.93	38	620	1.2	<2	3.96	0.5	10	27	107	4.20	30	4.50	280
H410458		0.6	6.53	40	570	2.1	<2	4.28	<0.5	14	110	123	5.01	40	4.14	190
H410459		0.7	6.21	56	510	1.6	<2	6.62	<0.5	13	60	167	4.75	30	4.10	540
H410460		<0.5	6.49	50	330	1.2	<2	4.48	<0.5	15	47	111	4.97	30	3.93	190
H410461		0.6	6.38	32	490	1.5	<2	4.65	<0.5	14	35	178	4.83	30	3.79	230
H410462		1.0	6.12	30	140	1.7	<2	5.41	<0.5	14	22	239	5.69	30	3.82	220
H410463		1.1	5.91	16	810	1.8	<2	6.39	<0.5	14	23	187	5.30	30	4.05	270
H410464		0.9	6.01	18	430	2.5	<2	5.68	<0.5	12	30	169	5.33	30	3.76	240
H410465		1.3	6.36	17	660	1.2	<2	4.70	<0.5	11	21	219	4.91	30	3.82	220
H410466		0.5	6.47	35	400	1.2	<2	5.10	<0.5	13	42	271	5.18	30	4.21	370
H410467		0.9	6.32	11	900	2.3	<2	4.83	<0.5	11	32	205	4.38	40	3.91	230
H410468		1.0	6.60	24	350	1.2	<2	5.15	<0.5	12	33	534	4.65	40	4.50	310
H410469		<0.5	6.59	64	230	1.9	<2	4.72	<0.5	13	40	126	5.10	40	4.22	160
H410470		<0.5	6.68	51	360	1.7	<2	4.67	<0.5	14	45	170	5.14	30	4.09	170
H410471		0.6	6.34	41	260	1.5	<2	5.27	<0.5	15	33	215	5.62	30	3.96	250
H410472		0.6	6.49	23	620	1.9	<2	5.03	<0.5	13	28	218	5.25	30	3.81	250
H410473		0.5	6.50	17	1410	1.3	<2	4.26	<0.5	10	18	154	4.24	30	3.81	170
H410474		0.5	6.81	17	1910	2.7	<2	3.58	<0.5	10	18	111	4.53	30	3.87	130
H410475		<0.5	0.38	<5	30	<0.5	<2	36.4	<0.5	<1	5	3	0.41	<10	0.22	<10
H410476		<0.5	7.75	<5	150	4.1	<2	2.70	<0.5	23	83	42	3.59	20	4.46	10
H410477		0.6	6.75	34	1200	1.5	<2	4.52	<0.5	12	36	187	4.76	40	3.97	360
H410478		0.5	6.67	26	720	1.6	<2	5.23	<0.5	11	25	155	4.54	30	4.20	400
H410479		0.7	7.14	17	1790	2.3	<2	3.63	<0.5	10	20	167	4.58	30	3.99	120
H410480		<0.5	7.00	25	1220	1.5	<2	3.60	<0.5	10	26	117	4.58	30	4.04	140
H410481		<0.5	6.93	27	890	1.6	<2	4.34	<0.5	13	30	225	4.89	30	4.42	230
H410482		0.9	6.31	47	330	1.1	<2	5.31	<0.5	13	25	171	4.74	30	4.07	250
H410483		0.5	6.47	39	710	1.2	<2	4.38	<0.5	13	36	197	4.76	30	3.96	130
H410484		0.5	7.20	29	1500	2.3	<2	3.48	<0.5	9	17	157	4.45	30	4.58	170
H410485		<0.5	6.89	29	1110	1.8	<2	3.48	<0.5	9	18	139	4.48	30	4.10	130
H410486		<0.5	7.30	18	1520	2.3	<2	3.78	<0.5	10	19	131	4.62	30	4.67	150
H410487		<0.5	6.81	23	1270	2.3	<2	3.64	<0.5	10	18	119	4.46	30	4.04	130
H410488		<0.5	7.14	23	1460	2.4	<2	3.67	<0.5	10	15	122	4.48	30	4.70	150
H410489		<0.5	6.96	24	1890	2.7	<2	3.74	<0.5	10	16	113	4.51	30	4.39	150
H410490		0.5	6.78	31	1160	1.3	<2	3.39	<0.5	9	20	97	4.07	30	4.19	180
H410491		0.6	6.73	23	1190	1.2	<2	2.97	<0.5	7	15	95	3.60	30	4.26	120

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Project: MU

CERTIFICATE OF ANALYSIS VO14052621

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
H410452		1.19	2080	24	0.27	18	3010	142	1.51	15	5	9520	100	0.47	<10	<10
H410453		1.43	2790	7	0.14	24	4470	138	1.52	14	7	>10000	130	0.67	<10	<10
H410454		1.21	2310	16	0.24	18	3740	302	2.44	11	6	>10000	110	0.56	10	<10
H410455		0.64	1135	3	0.22	10	1420	87	2.54	9	4	3480	40	0.32	<10	<10
H410456		1.03	1660	4	0.23	20	1420	204	2.17	7	4	3600	50	0.34	<10	<10
H410457		1.07	1805	5	0.14	15	1790	580	2.43	10	4	3510	60	0.38	<10	<10
H410458		1.47	2030	2	0.15	46	1880	157	2.21	7	4	3750	40	0.40	<10	<10
H410459		1.27	2100	5	0.14	31	1870	463	2.67	8	8	6780	80	0.40	<10	<10
H410460		1.19	1935	3	0.17	22	1980	221	3.39	7	5	2300	40	0.45	<10	<10
H410461		1.04	1770	9	0.17	16	1910	167	2.64	9	6	3730	40	0.44	<10	<10
H410462		1.03	1790	10	0.16	11	2370	181	3.88	7	5	7160	60	0.53	<10	<10
H410463		1.00	1860	13	0.14	12	2420	171	2.49	10	6	9000	70	0.51	<10	<10
H410464		1.21	1940	3	0.14	16	2450	167	1.86	9	5	>10000	80	0.50	<10	<10
H410465		0.92	1740	9	0.17	11	1930	320	1.96	9	4	7640	60	0.45	<10	<10
H410466		1.35	2190	20	0.18	24	2650	332	2.57	9	5	4300	70	0.44	10	<10
H410467		1.20	2100	37	0.41	17	2480	188	1.49	10	5	7200	70	0.43	<10	<10
H410468		1.19	2320	63	0.37	17	2670	249	2.87	13	3	>10000	80	0.44	<10	<10
H410469		1.35	1960	1	0.23	20	2540	105	3.51	8	3	4290	40	0.47	<10	<10
H410470		1.27	1870	3	0.23	22	2300	91	3.20	9	4	5090	40	0.47	<10	<10
H410471		1.35	1795	21	0.22	18	2720	101	3.35	13	4	4930	50	0.51	<10	<10
H410472		1.18	1725	5	0.20	15	2270	87	2.08	9	4	5850	50	0.50	<10	<10
H410473		0.92	1710	4	0.22	9	1570	65	1.72	10	3	3820	40	0.44	10	<10
H410474		0.65	1480	6	0.19	7	1310	40	1.64	5	4	3350	30	0.38	<10	<10
H410475		0.45	330	<1	0.02	<1	190	2	0.21	<5	1	450	<20	0.02	<10	<10
H410476		2.04	531	<1	3.47	86	1190	38	0.01	<5	6	342	<20	0.62	<10	<10
H410477		1.02	1835	1	0.20	18	2230	192	1.85	7	5	7390	60	0.40	<10	<10
H410478		0.81	1735	5	0.19	15	1710	153	2.13	5	5	8280	70	0.38	<10	<10
H410479		0.71	1545	7	0.23	9	1380	36	1.62	7	4	2390	30	0.40	<10	<10
H410480		0.74	1495	2	0.26	11	1540	49	1.95	5	4	2920	30	0.41	<10	<10
H410481		1.00	1740	4	0.27	13	2010	93	2.12	7	4	2320	40	0.44	<10	<10
H410482		1.11	2050	4	0.22	15	2220	188	2.59	7	5	5860	60	0.41	<10	<10
H410483		0.99	1755	3	0.25	17	2350	113	2.45	10	4	2480	30	0.41	<10	<10
H410484		0.67	1360	3	0.25	8	1260	68	1.80	<5	5	2370	30	0.40	<10	<10
H410485		0.61	1550	2	0.21	9	1260	53	2.05	8	4	1730	30	0.40	<10	<10
H410486		0.70	1555	4	0.29	8	1230	48	1.76	6	4	1660	30	0.40	<10	<10
H410487		0.62	1495	3	0.24	7	1210	50	1.89	6	4	1530	20	0.40	<10	<10
H410488		0.66	1565	4	0.23	8	1160	56	1.84	6	4	1990	30	0.40	<10	<10
H410489		0.69	1400	11	0.34	7	1220	55	1.69	8	5	1800	30	0.42	10	<10
H410490		0.68	1575	5	0.41	9	1130	169	2.02	11	5	2020	30	0.39	10	<10
H410491		0.56	1430	8	0.25	6	1030	167	1.94	10	3	2690	30	0.34	<10	<10

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Finalized Date: 12-APR-2014
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CERTIFICATE OF ANALYSIS VO14052621

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
H410452		519	20	103
H410453		634	20	97
H410454		468	30	135
H410455		372	20	62
H410456		333	20	160
H410457		274	30	500
H410458		453	10	317
H410459		372	20	364
H410460		364	40	363
H410461		334	20	199
H410462		364	40	310
H410463		344	10	185
H410464		374	<10	211
H410465		355	10	329
H410466		351	20	271
H410467		311	10	223
H410468		268	20	337
H410469		484	40	213
H410470		548	40	186
H410471		436	40	182
H410472		404	20	174
H410473		273	10	147
H410474		348	10	110
H410475		7	<10	14
H410476		84	<10	47
H410477		289	10	183
H410478		331	10	177
H410479		360	10	106
H410480		386	10	133
H410481		396	10	151
H410482		283	570	415
H410483		380	20	205
H410484		370	10	129
H410485		339	20	129
H410486		366	10	129
H410487		354	20	158
H410488		351	10	147
H410489		431	10	115
H410490		323	20	240
H410491		218	20	200

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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
H410492		0.8	7.09	16	2190	1.6	<2	2.53	<0.5	7	12	188	2.96	40	4.58	200
H410493		0.9	6.60	32	580	1.3	<2	4.93	<0.5	8	15	141	3.50	30	4.41	700
H410494		0.7	7.02	33	720	1.3	3	3.71	<0.5	6	8	141	3.52	30	5.72	300
H410495		1.1	6.19	39	460	3.2	3	4.99	<0.5	5	6	62	3.17	30	5.20	540
H410496		0.7	6.45	43	290	2.1	5	3.28	<0.5	7	10	154	4.28	30	4.99	270
H410497		0.5	6.51	42	510	1.8	2	3.13	<0.5	5	6	123	3.39	40	4.93	140
H410498		0.5	6.69	46	400	1.2	<2	3.16	<0.5	8	7	302	4.27	40	4.98	90
H410499		<0.5	6.62	38	380	1.7	4	3.47	<0.5	8	9	230	4.00	30	5.02	110
H410500		<0.5	0.39	<5	40	<0.5	2	36.0	<0.5	<1	4	3	0.40	<10	0.24	10
H750551		1.1	8.28	102	140	4.4	11	2.46	0.5	20	67	84	5.73	20	3.84	10
H750552		0.5	7.04	34	530	1.7	3	3.76	<0.5	9	9	274	4.17	30	5.53	170
H750553		0.5	6.78	47	640	1.2	5	2.98	<0.5	6	8	128	3.32	30	4.91	170
H750554		0.5	7.20	55	660	1.6	2	2.61	<0.5	6	8	39	3.23	40	5.61	110
H750555		<0.5	7.19	31	790	1.7	<2	3.53	<0.5	9	8	287	3.92	30	5.65	290
H750556		0.6	6.91	48	620	1.8	<2	3.12	<0.5	6	8	248	3.71	30	5.10	150

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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
H410492		0.48	1365	15	0.50	5	920	256	1.24	12	3	5060	50	0.33	<10	<10
H410493		0.65	1645	37	0.51	15	1680	366	2.12	12	4	8850	110	0.31	<10	<10
H410494		0.54	1410	4	0.55	16	1220	289	2.28	14	4	3050	70	0.32	<10	<10
H410495		0.43	1435	7	0.27	16	1790	415	2.38	12	4	3170	110	0.28	<10	<10
H410496		0.54	1520	9	0.25	11	980	283	3.36	17	3	2350	70	0.42	<10	<10
H410497		0.45	1305	174	0.53	6	1760	218	2.38	15	3	1635	50	0.33	<10	10
H410498		0.60	1255	666	0.35	6	1380	145	3.34	21	3	3090	40	0.32	<10	<10
H410499		0.52	1270	181	0.29	8	1500	123	2.96	14	2	1285	30	0.35	<10	<10
H410500		0.47	327	1	0.02	7	200	<2	0.17	<5	1	435	<20	0.02	<10	<10
H750551		1.85	454	<1	3.61	77	1010	57	3.05	<5	6	328	<20	0.55	<10	<10
H750552		0.56	1320	307	0.34	7	1570	103	2.87	16	2	1290	40	0.35	<10	<10
H750553		0.49	1310	80	0.30	9	1760	196	2.31	11	2	1705	40	0.35	<10	<10
H750554		0.47	1225	81	0.26	6	1430	178	2.40	11	2	5500	40	0.36	<10	<10
H750555		0.57	1415	76	0.48	9	1710	135	2.13	16	3	7340	70	0.35	10	<10
H750556		0.55	1225	56	0.33	7	1050	143	2.29	13	2	8180	50	0.31	<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
H410492		243	10	164
H410493		229	10	303
H410494		254	10	347
H410495		274	10	515
H410496		305	20	282
H410497		225	20	304
H410498		190	20	179
H410499		195	20	212
H410500		6	<10	19
H750551		70	<10	96
H750552		240	20	162
H750553		228	30	214
H750554		266	30	281
H750555		342	20	301
H750556		388	10	191

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

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Finalized Date: 12-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14052621

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method: FND-02 ME-ICP61