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: 31-MAR-2014
Account: OSIKLI

CERTIFICATE VO14042652

Project: MU

P.O. No.: KL 000347

This report is for 60 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 12-MAR-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 VO14042652

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
H407220		<0.5	6.70	52	1660	1.4	<2	3.04	<0.5	13	30	26	2.74	20	4.66	30
H407221		<0.5	7.32	71	1350	2.1	<2	2.91	<0.5	15	33	24	3.16	20	5.10	30
H407222		<0.5	6.87	46	1410	2.7	<2	3.85	<0.5	20	68	145	3.75	20	4.43	30
H407223		<0.5	6.31	70	1460	1.6	<2	4.68	<0.5	17	59	63	3.92	20	4.27	30
H407224		<0.5	6.90	70	1710	2.0	<2	4.21	<0.5	20	63	59	4.17	20	4.42	30
H407225		<0.5	0.42	<5	50	<0.5	<2	35.9	<0.5	2	5	6	0.42	<10	0.23	<10
H407226		0.9	8.50	103	150	4.6	<2	2.41	0.5	24	70	91	5.83	30	3.71	10
H407227		<0.5	6.88	56	1920	2.5	<2	3.62	<0.5	21	78	59	3.74	20	4.57	30
H407228		<0.5	7.03	93	1340	3.1	<2	3.60	<0.5	24	74	71	5.06	20	4.73	30
H407229		<0.5	6.80	52	1780	1.9	<2	3.34	<0.5	16	66	65	3.17	20	4.93	30
H407230		<0.5	6.65	47	2070	1.4	<2	3.18	<0.5	14	53	65	2.76	20	4.64	30
H407231		<0.5	6.83	50	2140	1.2	<2	3.08	<0.5	15	41	74	2.94	20	4.62	30
H407232		<0.5	6.49	51	1860	1.0	<2	3.61	<0.5	16	34	86	2.88	20	4.54	30
H407233		<0.5	6.65	35	1870	1.0	<2	3.51	<0.5	14	39	108	3.05	20	5.02	30
H407234		<0.5	6.31	38	2140	0.8	<2	3.75	<0.5	15	32	82	2.96	20	4.73	30
H407235		<0.5	6.87	66	1940	1.0	<2	3.09	<0.5	16	34	78	3.27	20	5.01	30
H407236		<0.5	6.74	37	2060	1.5	<2	3.82	<0.5	16	36	93	3.31	20	4.36	30
H407237		<0.5	7.03	46	2170	1.1	<2	4.36	<0.5	15	37	95	3.39	20	4.94	30
H407238		<0.5	5.25	40	1730	1.2	<2	5.68	<0.5	11	27	25	2.89	20	4.40	20
H407239		<0.5	4.46	22	1490	1.5	<2	11.20	<0.5	9	20	22	2.25	20	4.92	20
H407240		<0.5	3.81	5	1430	1.6	<2	13.10	<0.5	7	15	3	1.99	10	4.47	10
H407241		<0.5	3.76	6	1180	2.0	<2	12.25	<0.5	7	15	3	1.95	10	4.35	10
H407242		<0.5	6.75	49	2150	3.1	<2	4.31	<0.5	13	36	12	2.29	20	4.46	20
H407243		<0.5	7.03	46	2010	2.9	<2	4.15	<0.5	12	33	12	2.21	20	5.13	30
H407244		<0.5	7.20	51	1940	4.2	<2	4.49	<0.5	14	35	10	2.43	20	4.75	30
H407245		<0.5	6.99	37	1880	3.6	<2	4.79	<0.5	12	30	7	2.08	20	4.25	30
H407246		<0.5	6.68	49	1830	3.0	<2	4.08	<0.5	12	32	10	2.06	20	4.33	20
H407247		<0.5	7.26	36	2100	3.1	<2	4.24	<0.5	13	33	11	2.18	20	5.08	30
H407248		<0.5	7.26	38	2540	2.6	<2	3.75	<0.5	11	35	14	2.23	30	4.49	20
H407249		<0.5	7.37	27	2350	3.5	<2	4.97	<0.5	12	34	11	2.54	20	4.58	30
H407250		<0.5	0.39	<5	20	<0.5	4	36.5	<0.5	2	4	3	0.41	<10	0.22	<10
H407251		<0.5	8.33	<5	160	4.0	<2	2.61	<0.5	24	76	42	3.67	30	4.34	10
H407252		<0.5	6.76	37	2390	2.6	<2	3.72	<0.5	11	34	16	2.29	20	4.58	20
H407253		<0.5	7.29	46	2930	3.5	<2	4.08	<0.5	12	33	15	2.55	20	5.02	30
H407254		<0.5	7.35	57	2800	3.5	<2	2.84	<0.5	13	37	18	2.43	20	4.78	30
H407255		<0.5	7.54	45	2730	3.5	<2	3.11	<0.5	13	34	13	2.19	30	5.08	20
H407256		<0.5	7.65	70	2220	4.2	<2	3.15	<0.5	15	36	21	2.87	20	5.15	30
H407257		<0.5	7.02	60	830	2.9	<2	3.75	<0.5	13	35	30	3.68	30	4.88	30
H407258		<0.5	7.16	48	3210	3.0	<2	3.69	<0.5	11	34	12	2.34	30	4.94	20
H407259		<0.5	7.19	46	2970	2.0	<2	3.70	<0.5	13	34	15	2.55	20	4.91	30

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 31-MAR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14042652

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
H407220		1.24	657	1	0.13	13	600	42	1.71	<5	6	899	<20	0.15	10	<10
H407221		1.13	647	1	0.20	15	680	41	2.20	<5	6	838	<20	0.16	<10	<10
H407222		1.53	816	1	0.50	24	620	31	2.13	7	13	782	<20	0.23	<10	<10
H407223		1.89	1050	1	0.28	18	900	29	1.83	5	15	835	<20	0.22	<10	<10
H407224		1.67	1015	1	0.17	21	1070	31	1.79	5	17	717	<20	0.26	<10	<10
H407225		0.49	344	<1	0.03	2	180	<2	0.19	<5	1	448	<20	0.02	<10	<10
H407226		1.82	474	<1	3.53	80	1020	59	3.17	<5	6	340	<20	0.56	<10	<10
H407227		1.49	830	<1	0.18	24	1140	27	1.57	5	18	622	<20	0.29	<10	<10
H407228		1.50	1035	<1	0.20	29	1090	33	2.61	<5	17	620	<20	0.28	10	<10
H407229		1.25	743	1	0.28	19	890	27	1.37	<5	13	645	<20	0.23	<10	<10
H407230		1.23	679	<1	0.27	16	820	23	1.05	<5	10	606	<20	0.21	<10	<10
H407231		1.20	556	<1	0.29	13	600	22	1.43	<5	10	704	<20	0.21	<10	<10
H407232		1.44	623	1	0.25	12	760	24	1.25	<5	10	648	<20	0.20	<10	<10
H407233		1.42	622	1	0.41	10	750	17	1.09	<5	10	568	<20	0.19	<10	<10
H407234		1.46	674	1	0.35	12	850	22	1.12	<5	10	701	<20	0.19	<10	<10
H407235		1.21	611	2	0.35	14	890	25	1.75	<5	11	623	<20	0.21	<10	<10
H407236		1.52	707	1	0.33	14	790	20	1.28	<5	11	705	<20	0.22	<10	<10
H407237		1.82	701	1	0.42	14	640	20	1.36	<5	11	900	<20	0.22	<10	<10
H407238		2.43	879	<1	0.34	11	680	31	0.73	<5	9	774	<20	0.13	<10	<10
H407239		6.22	591	<1	0.61	10	590	25	0.36	<5	7	1420	<20	0.11	<10	<10
H407240		7.48	573	<1	0.40	8	440	16	0.03	<5	5	1640	<20	0.07	<10	<10
H407241		7.00	564	<1	0.33	10	450	16	0.02	<5	5	1500	<20	0.08	<10	<10
H407242		1.71	567	<1	0.29	15	760	33	0.70	<5	6	639	<20	0.17	<10	<10
H407243		1.72	536	<1	0.21	12	750	48	0.67	<5	7	555	<20	0.16	<10	<10
H407244		1.91	564	<1	0.24	14	720	49	0.83	<5	7	615	<20	0.17	<10	<10
H407245		2.10	536	<1	0.21	13	740	41	0.42	<5	6	655	<20	0.16	<10	<10
H407246		1.70	508	<1	0.24	12	750	38	0.63	5	5	655	<20	0.16	<10	<10
H407247		1.78	575	<1	0.25	11	770	32	0.61	<5	6	825	<20	0.16	<10	<10
H407248		1.45	561	<1	0.30	10	860	35	0.80	<5	6	692	<20	0.16	<10	<10
H407249		2.11	691	<1	0.28	14	770	32	0.62	<5	7	965	<20	0.16	<10	<10
H407250		0.51	328	<1	0.03	4	180	<2	0.18	<5	1	462	<20	0.02	<10	<10
H407251		2.01	513	<1	3.39	89	1170	39	0.01	<5	6	360	<20	0.62	<10	<10
H407252		1.43	533	<1	0.26	13	840	28	0.84	<5	6	803	<20	0.16	<10	<10
H407253		1.61	526	<1	0.28	15	810	34	1.09	<5	7	766	<20	0.17	<10	<10
H407254		0.98	438	<1	0.28	14	800	28	1.42	<5	6	568	<20	0.17	<10	<10
H407255		1.13	485	<1	0.29	11	890	39	1.06	<5	6	644	<20	0.16	<10	<10
H407256		1.20	531	<1	0.30	16	850	46	1.85	<5	7	567	<20	0.16	<10	<10
H407257		1.49	628	<1	0.29	13	830	46	2.63	7	9	631	<20	0.17	<10	<10
H407258		1.43	594	<1	0.26	10	790	31	1.00	5	7	891	<20	0.17	<10	<10
H407259		1.43	583	<1	0.25	11	810	40	1.23	6	6	863	<20	0.17	<10	<10

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 31-MAR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14042652

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
H407220		61	50	34
H407221		72	60	49
H407222		132	60	68
H407223		128	40	65
H407224		223	40	64
H407225		7	<10	14
H407226		72	<10	103
H407227		356	40	71
H407228		352	40	70
H407229		172	40	54
H407230		149	40	51
H407231		127	40	41
H407232		104	40	45
H407233		152	30	48
H407234		117	30	45
H407235		133	40	47
H407236		162	40	55
H407237		142	40	57
H407238		80	20	74
H407239		120	20	75
H407240		120	20	76
H407241		106	20	75
H407242		73	40	62
H407243		68	30	94
H407244		74	40	97
H407245		73	30	86
H407246		68	30	87
H407247		70	40	84
H407248		89	50	99
H407249		110	40	106
H407250		7	<10	15
H407251		82	<10	48
H407252		94	40	103
H407253		115	40	90
H407254		93	50	53
H407255		67	50	102
H407256		70	40	78
H407257		85	40	65
H407258		75	50	83
H407259		68	60	69

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CERTIFICATE OF ANALYSIS VO14042652

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
H407260		<0.5	7.49	49	2600	2.3	<2	3.96	<0.5	11	31	16	2.39	20	5.17	30
H407261		<0.5	7.24	54	2450	2.4	<2	4.17	<0.5	13	32	16	2.70	20	5.03	30
H407262		<0.5	7.51	59	2400	4.3	<2	4.02	<0.5	14	41	19	2.61	20	5.14	30
H407263		<0.5	7.26	62	2590	2.5	<2	3.55	<0.5	13	33	28	2.44	30	4.90	20
H407264		<0.5	6.94	19	3950	2.4	<2	6.25	<0.5	10	25	6	2.32	20	4.73	30
H407265		<0.5	6.14	20	6100	2.2	<2	6.77	<0.5	9	23	14	2.11	20	4.53	30
H407266		<0.5	5.31	12	9360	2.8	<2	8.66	<0.5	9	26	18	2.23	20	4.35	20
H407267		<0.5	4.65	12	2240	3.8	<2	10.20	<0.5	7	23	21	2.29	20	4.78	20
H407268		<0.5	5.06	8	2430	2.7	<2	9.75	<0.5	9	25	12	2.51	20	4.75	20
H407269		<0.5	5.15	15	2720	3.0	<2	9.20	<0.5	11	24	16	2.62	20	4.81	20
H407270		<0.5	5.33	19	4290	3.0	<2	7.48	<0.5	9	24	18	2.15	20	5.51	20
H407271		<0.5	5.62	21	8520	2.4	<2	8.09	<0.5	11	23	7	2.51	20	4.64	20
H407272		<0.5	6.08	15	9130	2.6	<2	7.13	<0.5	11	30	6	2.45	20	4.95	30
H407273		<0.5	4.84	6	1860	2.6	<2	10.90	<0.5	11	23	4	2.57	20	5.13	20
H407274		<0.5	1.92	7	580	2.7	<2	13.10	<0.5	9	15	3	2.34	10	2.21	10
H407275		<0.5	0.42	<5	50	<0.5	<2	37.0	<0.5	2	5	8	0.43	<10	0.24	<10
H407276		1.3	8.59	108	160	4.6	<2	2.43	<0.5	22	67	88	5.93	30	3.79	10
H407277		<0.5	1.41	<5	430	1.8	<2	13.10	<0.5	5	11	1	1.42	<10	1.67	<10
H407278		<0.5	2.59	<5	920	2.2	<2	14.2	<0.5	7	15	2	1.77	10	3.07	10
H407279		<0.5	2.94	6	1170	1.7	<2	14.5	<0.5	6	14	1	1.78	10	3.53	10

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CERTIFICATE OF ANALYSIS VO14042652

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
H407260		1.57	578	<1	0.21	10	830	32	0.94	5	6	854	<20	0.15	<10	<10
H407261		1.63	621	<1	0.21	13	840	30	1.13	<5	7	655	<20	0.16	<10	<10
H407262		1.58	585	<1	0.26	15	860	36	1.12	8	7	685	<20	0.18	<10	<10
H407263		1.31	558	<1	0.34	13	840	29	1.05	6	6	604	<20	0.17	<10	<10
H407264		2.70	610	<1	0.27	15	1200	28	0.17	<5	6	987	<20	0.17	<10	<10
H407265		3.17	564	<1	0.24	13	890	26	0.22	<5	6	1140	<20	0.13	<10	<10
H407266		4.38	645	3	0.17	13	690	21	0.23	6	6	1090	<20	0.10	<10	<10
H407267		5.41	673	1	0.23	10	300	21	0.07	7	6	1400	<20	0.10	<10	<10
H407268		4.91	707	<1	0.20	13	770	18	0.07	7	7	1010	<20	0.11	<10	<10
H407269		4.28	774	<1	0.15	16	2410	38	0.17	<5	7	1060	<20	0.11	<10	<10
H407270		3.55	615	<1	0.24	11	950	30	0.22	6	6	823	<20	0.10	<10	<10
H407271		3.90	702	<1	0.14	13	640	38	0.42	<5	6	1260	<20	0.12	<10	<10
H407272		3.36	657	1	0.18	14	580	39	0.40	<5	7	1980	<20	0.14	<10	<10
H407273		5.74	851	<1	0.29	15	670	28	0.03	<5	7	2440	<20	0.14	<10	<10
H407274		7.70	789	<1	0.24	9	230	26	0.02	<5	7	2620	<20	0.08	<10	<10
H407275		0.55	340	<1	0.03	1	220	2	0.18	<5	1	485	<20	0.02	<10	<10
H407276		1.83	472	<1	3.63	81	1030	62	3.29	<5	6	350	<20	0.56	<10	<10
H407277		7.71	423	<1	0.15	4	150	24	<0.01	<5	4	2310	<20	0.04	10	<10
H407278		8.41	520	<1	0.25	8	290	19	<0.01	<5	5	3390	<20	0.07	<10	<10
H407279		8.25	523	<1	0.26	7	970	11	0.01	5	5	2860	<20	0.07	<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: 31-MAR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14042652

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
H407260		67	40	53
H407261		68	50	51
H407262		94	50	50
H407263		84	50	53
H407264		67	50	76
H407265		71	40	68
H407266		89	20	81
H407267		85	20	83
H407268		87	30	89
H407269		96	400	101
H407270		91	120	81
H407271		87	40	82
H407272		71	60	71
H407273		124	40	86
H407274		142	30	76
H407275		8	<10	18
H407276		75	<10	107
H407277		170	20	72
H407278		157	20	77
H407279		159	20	70

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

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CERTIFICATE OF ANALYSIS VO14042652

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Val d'Or located at 1324 Rue Turcotte, Val d'Or, QC, Canada.
FND-02

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