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: 29-MAR-2014
Account: OSIKLI

CERTIFICATE VO14042598

Project: MU

P.O. No.: KL 000347

This report is for 41 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 VO14042598

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
H406955		<0.5	6.66	34	2980	3.1	4	4.80	<0.5	22	451	75	4.53	30	4.73	90
H406956		<0.5	7.03	39	1190	1.5	3	2.19	<0.5	6	66	166	2.60	30	4.50	290
H406957		<0.5	7.13	38	1400	2.2	5	1.93	<0.5	6	20	145	2.20	30	4.55	170
H406958		<0.5	6.89	43	1280	1.2	<2	2.12	<0.5	5	39	80	2.07	30	4.60	110
H406959		<0.5	3.68	92	830	3.9	<2	9.02	<0.5	41	1005	17	5.93	30	3.85	60
H406960		0.6	6.92	48	770	1.0	<2	1.96	<0.5	5	30	138	2.26	30	5.04	390
H406961		<0.5	4.88	38	2520	3.0	4	7.76	<0.5	29	737	149	4.93	30	4.83	130
H406962		0.9	6.70	50	770	2.9	3	2.57	<0.5	7	101	239	2.62	30	4.75	290
H406963		0.9	6.85	56	940	2.0	4	2.06	<0.5	3	13	94	2.40	30	5.23	750
H406964		0.8	6.89	45	860	1.5	2	2.36	<0.5	4	44	286	2.53	30	5.14	200
H406965		0.5	5.84	65	990	1.9	3	3.53	<0.5	12	254	80	2.93	20	4.41	230
H406966		<0.5	6.19	84	2940	2.0	2	4.76	<0.5	18	366	29	3.58	20	4.87	100
H406967		<0.5	2.96	109	2260	4.8	<2	10.40	<0.5	54	1165	10	6.81	20	3.71	60
H406968		0.9	6.73	42	1050	2.9	6	2.58	<0.5	9	108	196	2.45	30	4.84	140
H406969		0.5	7.07	60	950	1.4	<2	2.65	<0.5	6	74	206	2.56	30	5.08	100
H406970		0.5	2.51	25	1750	0.8	<2	2.72	<0.5	1	16	289	1.32	10	3.32	90
H406971		<0.5	1.65	13	630	0.5	<2	2.72	<0.5	1	31	27	1.23	<10	2.20	70
H406972		0.5	4.16	40	870	0.9	<2	2.32	<0.5	1	21	201	1.58	10	5.00	110
H406973		<0.5	5.33	34	1020	1.9	4	2.64	<0.5	2	31	375	1.93	20	4.47	110
H406974		0.6	6.23	44	830	2.0	2	3.52	<0.5	5	96	380	2.38	30	4.87	90
H406975		<0.5	0.32	8	30	<0.5	<2	34.3	<0.5	<1	4	3	0.36	<10	0.18	<10
H406976		1.1	8.17	93	140	4.4	7	2.46	<0.5	21	69	87	5.85	20	3.78	10
H406977		0.5	7.05	21	790	1.6	<2	2.42	<0.5	4	38	335	2.49	30	5.14	110
H406978		0.9	6.50	23	960	2.0	3	2.28	<0.5	5	34	402	2.20	30	4.65	120
H406979		0.7	6.81	25	890	1.6	<2	1.61	<0.5	3	21	295	1.95	30	4.56	110
H406980		0.5	6.44	46	810	1.8	3	1.75	<0.5	4	21	107	2.18	30	4.58	180
H406981		<0.5	6.60	61	750	1.8	<2	1.93	<0.5	3	25	111	2.35	30	4.84	140
H406982		<0.5	6.64	63	860	1.7	<2	1.94	<0.5	4	28	111	2.45	30	4.56	100
H406983		0.8	6.58	57	1040	2.3	4	2.49	<0.5	5	24	302	2.57	40	4.54	160
H406984		0.8	6.62	39	1080	3.0	4	3.82	<0.5	9	67	290	2.91	30	4.93	260
H406985		0.5	6.77	55	1120	2.4	2	2.61	<0.5	7	38	368	2.48	40	4.69	130
H406986		0.6	6.46	38	1000	2.2	4	1.89	<0.5	4	21	175	1.87	30	4.82	230
H406987		0.6	6.46	39	1880	2.7	2	2.70	<0.5	5	32	281	2.19	30	4.69	150
H406988		1.0	6.66	48	950	3.4	<2	2.18	<0.5	5	25	239	2.29	40	4.68	300
H406989		0.7	6.54	50	840	3.0	<2	3.26	<0.5	9	63	144	3.15	30	4.66	180
H406990		1.0	6.46	44	860	2.9	6	2.44	<0.5	6	19	233	2.40	30	4.46	470
H406991		0.7	6.72	47	940	1.8	3	2.26	<0.5	5	21	249	2.32	30	4.90	240
H406992		0.5	7.04	38	1230	2.1	<2	2.56	<0.5	7	33	252	2.59	30	4.80	290
H406993		0.6	6.53	38	1240	2.0	7	2.33	<0.5	4	20	180	2.29	30	4.67	250
H406994		0.7	6.78	46	1110	2.3	<2	2.35	<0.5	5	35	113	2.58	30	4.68	140

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Finalized Date: 29-MAR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14042598

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
H406955		3.98	1160	7	0.42	214	1150	102	0.96	9	13	2370	30	0.31	<10	<10
H406956		0.98	849	21	0.17	39	1740	172	1.69	8	3	3320	70	0.34	<10	<10
H406957		0.71	816	34	0.23	17	1650	242	1.60	12	1	2890	50	0.33	<10	<10
H406958		0.81	711	21	0.17	27	1780	132	1.48	8	2	4520	40	0.28	10	<10
H406959		7.35	1790	5	0.16	556	510	61	1.35	13	19	5230	30	0.32	10	<10
H406960		0.72	723	5	0.15	25	1670	302	1.76	14	2	5660	70	0.30	<10	<10
H406961		4.63	1820	20	0.10	338	1290	129	1.17	14	14	6130	40	0.36	10	10
H406962		1.06	1000	27	0.18	44	1890	344	1.83	16	4	7280	80	0.37	<10	<10
H406963		0.82	996	16	0.22	17	1400	397	2.20	16	3	>10000	170	0.29	<10	<10
H406964		1.00	1075	42	0.22	26	1160	322	1.82	18	3	4860	50	0.38	<10	<10
H406965		2.14	1200	16	0.20	126	780	214	1.09	10	7	5860	50	0.28	<10	<10
H406966		2.83	1455	24	0.21	176	500	190	1.11	13	8	6410	40	0.32	<10	10
H406967		8.10	2440	12	0.11	647	100	73	0.99	14	22	>10000	40	0.36	<10	<10
H406968		1.10	908	221	0.15	56	1270	252	1.62	17	4	6410	60	0.26	<10	<10
H406969		1.02	1060	21	0.23	31	1580	266	1.85	18	3	4150	40	0.33	10	<10
H406970		1.17	1185	3	0.06	9	620	217	0.63	16	2	6850	30	0.10	<10	<10
H406971		1.16	1020	4	0.04	10	800	179	0.68	10	3	>10000	40	0.07	<10	<10
H406972		0.94	903	7	0.11	9	1180	216	1.21	12	2	9690	40	0.16	<10	<10
H406973		1.00	990	11	0.13	13	1940	219	1.39	23	3	7340	40	0.22	<10	<10
H406974		1.38	1160	22	0.15	39	1960	247	1.62	36	4	7540	40	0.23	<10	<10
H406975		0.43	298	<1	0.02	2	170	<2	0.15	<5	1	444	<20	0.01	<10	<10
H406976		1.81	462	1	3.49	75	1010	57	2.99	<5	5	327	<20	0.54	<10	<10
H406977		0.86	991	51	0.16	16	1610	228	1.85	11	3	5980	40	0.26	10	<10
H406978		0.71	913	189	0.16	13	2260	295	1.66	8	2	6270	50	0.24	<10	<10
H406979		0.49	773	149	0.18	7	1360	263	1.58	13	1	4730	40	0.23	<10	<10
H406980		0.55	807	196	0.20	10	1410	283	1.71	13	1	6010	60	0.23	<10	<10
H406981		0.63	797	179	0.18	9	1410	237	1.91	19	2	5770	50	0.24	<10	<10
H406982		0.61	775	186	0.18	10	1640	219	1.89	14	2	4080	40	0.27	<10	<10
H406983		0.77	908	359	0.16	10	2500	244	1.76	13	4	4040	60	0.29	<10	<10
H406984		1.49	1155	190	0.16	19	2040	475	1.35	15	9	5160	80	0.27	10	<10
H406985		0.92	855	199	0.17	13	1750	297	1.61	12	5	4720	50	0.26	<10	<10
H406986		0.57	708	269	0.17	9	1990	295	1.35	8	2	4970	70	0.22	10	<10
H406987		0.90	954	203	0.19	10	2230	256	1.25	10	4	4610	50	0.23	<10	<10
H406988		0.72	900	194	0.19	9	1660	457	1.71	14	3	5620	90	0.28	<10	<10
H406989		1.21	1115	155	0.19	16	2160	313	1.93	14	7	5570	60	0.28	10	<10
H406990		0.81	955	130	0.17	15	2430	314	1.71	14	3	6230	170	0.27	<10	<10
H406991		0.74	900	149	0.18	12	1790	320	1.67	11	2	5780	80	0.24	<10	<10
H406992		0.92	997	56	0.20	12	1850	299	1.69	10	4	6320	90	0.27	<10	<10
H406993		0.72	849	64	0.18	10	2280	244	1.62	10	3	5170	70	0.24	<10	<10
H406994		0.79	935	50	0.22	9	1600	332	1.93	10	4	4210	50	0.25	<10	<10

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

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 29-MAR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14042598

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
H406955		360	40	211
H406956		123	70	51
H406957		99	70	47
H406958		84	70	46
H406959		728	50	517
H406960		108	80	46
H406961		670	80	312
H406962		170	80	153
H406963		118	60	95
H406964		141	70	113
H406965		180	60	133
H406966		246	90	171
H406967		783	70	500
H406968		139	80	216
H406969		155	90	142
H406970		53	20	168
H406971		47	20	110
H406972		70	40	113
H406973		96	70	182
H406974		164	70	220
H406975		5	<10	16
H406976		71	<10	106
H406977		111	90	226
H406978		99	80	208
H406979		77	70	208
H406980		76	60	125
H406981		105	70	117
H406982		107	80	112
H406983		121	80	124
H406984		181	80	176
H406985		123	80	184
H406986		96	80	96
H406987		120	60	130
H406988		112	90	120
H406989		144	90	115
H406990		113	90	122
H406991		94	80	165
H406992		133	80	127
H406993		94	70	103
H406994		107	70	123

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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
H406995		0.5	6.53	42	870	1.4	2	2.65	<0.5	6	55	163	2.85	30	4.67	190

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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
H406995		0.97	1085	35	0.22	16	1690	261	1.90	11	4	6550	60	0.25	<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
H406995		141	60	166

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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