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 SD14052608

Project: MU

P.O. No.: KL 000348

This report is for 55 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 SD14052608

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
I276441		<0.5	5.99	26	1160	3.3	<2	5.19	<0.5	20	218	13	3.28	20	4.20	30
I276442		<0.5	4.34	38	1110	2.2	<2	8.98	<0.5	12	152	13	3.42	10	3.12	20
I276443		<0.5	6.27	37	860	2.9	<2	4.42	<0.5	23	226	37	3.33	20	4.02	30
I276444		<0.5	6.20	73	1030	3.1	2	4.59	<0.5	21	231	35	3.52	20	4.43	30
I276445		<0.5	6.83	69	1060	3.6	4	3.07	<0.5	23	296	24	3.82	20	4.79	30
I276446		<0.5	6.37	16	1150	2.7	<2	4.21	<0.5	20	240	35	3.28	20	3.92	30
I276447		<0.5	6.72	25	1110	2.1	<2	3.98	<0.5	23	252	24	3.83	20	3.63	30
I276448		<0.5	6.78	54	1380	2.3	<2	4.22	<0.5	20	239	29	3.42	20	4.43	30
I276449		<0.5	6.73	32	1320	3.1	<2	3.59	<0.5	29	266	36	3.61	20	4.71	30
I276450		<0.5	0.33	<5	10	<0.5	<2	35.1	<0.5	<1	5	1	0.38	<10	0.18	10
I276451		0.9	7.54	85	140	4.2	5	2.42	<0.5	20	66	83	5.59	20	3.85	10
I276452		<0.5	6.36	20	1270	2.6	<2	4.44	<0.5	21	219	22	3.46	20	3.61	30
I276453		<0.5	6.29	9	1580	2.6	2	4.36	<0.5	18	216	44	3.35	20	3.26	30
I276454		<0.5	6.60	32	2160	2.0	<2	3.08	<0.5	22	242	104	3.64	20	2.60	30
I276455		<0.5	6.74	<5	2160	2.0	<2	3.32	<0.5	20	245	37	3.57	20	2.49	30
I276456		<0.5	6.46	<5	2950	1.9	<2	2.88	<0.5	20	233	37	3.50	20	2.32	30
I276457		<0.5	6.61	<5	2010	1.9	<2	3.08	<0.5	21	235	15	3.54	20	2.15	30
I276458		<0.5	6.63	<5	2080	1.8	<2	3.14	<0.5	21	246	10	3.48	20	2.42	30
I276459		<0.5	6.52	<5	2650	1.7	3	3.31	<0.5	18	229	17	3.48	20	2.44	30
I276460		<0.5	6.63	<5	2130	1.5	<2	3.13	<0.5	18	231	1	3.48	20	2.62	30
I276461		<0.5	6.78	<5	1870	1.5	2	3.12	<0.5	18	219	<1	3.59	20	2.93	30
I276462		<0.5	6.68	<5	2460	1.5	<2	3.73	<0.5	17	198	<1	3.66	20	2.71	30
I276463		<0.5	6.43	9	2630	2.4	<2	4.23	<0.5	15	164	47	4.28	20	2.91	30
I276464		<0.5	6.92	7	1340	4.3	<2	4.80	<0.5	16	136	58	4.92	20	4.57	50
I276465		<0.5	6.16	6	950	2.8	<2	5.17	<0.5	12	185	87	4.68	20	3.47	30
I276466		<0.5	6.53	68	990	3.9	5	4.55	<0.5	24	158	70	5.60	20	3.23	30
I276467		<0.5	6.68	67	1000	3.8	<2	4.92	<0.5	29	127	76	6.90	20	2.80	40
I276468		<0.5	5.86	32	970	2.6	4	5.65	<0.5	31	181	72	5.57	10	3.32	30
I276469		<0.5	6.45	25	1140	2.6	<2	5.27	<0.5	26	114	84	5.75	20	3.76	30
I276470		<0.5	6.40	29	1050	2.4	<2	5.20	<0.5	29	203	48	5.53	20	3.52	30
I276471		<0.5	6.72	26	1240	2.5	<2	4.88	<0.5	32	236	64	6.14	20	3.66	30
I276472		<0.5	6.47	16	1220	2.2	<2	5.50	<0.5	29	211	40	5.68	20	3.51	30
I276473		<0.5	6.53	19	1290	2.4	<2	5.46	<0.5	27	222	61	5.46	20	3.81	30
I276474		<0.5	6.49	25	1250	2.6	<2	5.51	<0.5	29	216	79	5.71	20	3.85	30
I276475		<0.5	0.49	<5	20	<0.5	<2	35.0	<0.5	<1	6	1	0.46	<10	0.29	10
I276476		<0.5	7.48	<5	140	3.8	<2	2.52	<0.5	23	81	42	3.37	20	4.13	10
I276477		<0.5	6.71	53	1250	2.9	<2	2.95	<0.5	36	234	63	5.32	20	3.20	30
I276478		<0.5	7.38	28	1100	2.4	<2	3.46	<0.5	26	166	65	5.48	20	2.48	40
I276479		<0.5	6.88	39	1220	2.6	<2	4.88	<0.5	27	153	73	5.72	20	2.96	30
I276480		<0.5	7.07	37	1190	2.4	<2	4.59	<0.5	24	48	68	5.53	20	3.07	40

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Finalized Date: 11-APR-2014
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Project: MU

CERTIFICATE OF ANALYSIS SD14052608

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
I276441		3.21	608	1	0.82	76	1320	85	1.40	<5	11	852	<20	0.23	<10	<10
I276442		5.15	1055	1	0.57	53	940	127	1.10	<5	8	1380	<20	0.15	<10	<10
I276443		2.98	609	<1	0.95	119	1310	19	1.28	<5	12	605	<20	0.23	<10	<10
I276444		2.99	621	<1	0.48	99	1310	26	1.66	<5	12	619	<20	0.23	<10	<10
I276445		2.30	488	<1	0.60	99	1520	20	1.62	<5	13	456	<20	0.25	<10	<10
I276446		2.60	682	<1	1.40	100	1390	8	0.77	6	12	696	<20	0.25	<10	<10
I276447		2.45	630	<1	2.10	98	1490	5	1.54	<5	13	676	<20	0.24	<10	<10
I276448		2.52	613	<1	1.52	101	1480	13	1.66	<5	13	705	<20	0.24	<10	<10
I276449		2.31	590	2	0.81	112	1520	24	1.85	6	13	571	<20	0.24	<10	<10
I276450		0.50	300	<1	0.02	<1	170	<2	0.16	<5	1	430	<20	0.02	<10	<10
I276451		1.75	425	1	3.37	70	1010	50	3.01	<5	5	316	<20	0.53	<10	<10
I276452		2.79	708	<1	1.70	90	1390	4	0.59	<5	12	748	<20	0.23	<10	<10
I276453		2.91	702	<1	1.99	85	1390	8	0.28	<5	12	1120	<20	0.22	<10	<10
I276454		2.89	573	1	2.65	92	1460	32	0.74	<5	12	1385	<20	0.23	<10	<10
I276455		3.05	626	<1	2.75	91	1440	<2	0.04	<5	12	721	<20	0.24	<10	<10
I276456		2.83	567	1	2.71	85	1410	<2	0.06	<5	12	1260	<20	0.20	<10	<10
I276457		3.01	605	1	2.86	95	1430	2	0.04	<5	12	1375	<20	0.22	<10	<10
I276458		2.90	601	<1	2.94	96	1480	2	0.03	<5	12	892	<20	0.21	<10	<10
I276459		2.92	655	<1	2.82	91	1390	2	0.04	<5	12	811	<20	0.21	<10	<10
I276460		2.81	655	<1	2.86	89	1420	<2	0.03	<5	12	654	<20	0.22	<10	<10
I276461		2.82	782	<1	2.84	83	1390	3	0.01	<5	12	635	<20	0.22	<10	<10
I276462		2.91	969	<1	2.97	80	1380	3	0.03	<5	12	661	<20	0.23	<10	<10
I276463		2.86	1220	2	2.49	56	1360	3	0.08	<5	17	702	<20	0.24	<10	<10
I276464		2.64	1270	2	0.31	32	1750	<2	0.13	<5	21	721	<20	0.32	<10	<10
I276465		3.09	1265	<1	0.65	55	1040	<2	0.03	<5	18	661	<20	0.26	<10	<10
I276466		3.13	1345	6	0.55	48	1330	3	0.14	6	22	486	<20	0.32	<10	<10
I276467		3.17	1585	1	0.81	38	1620	<2	0.12	<5	25	535	<20	0.39	<10	<10
I276468		2.97	1350	<1	0.05	48	1140	2	0.13	5	22	732	<20	0.28	<10	<10
I276469		2.74	1265	1	0.22	34	1430	4	0.10	<5	21	854	<20	0.27	<10	<10
I276470		2.99	1135	<1	0.25	61	1260	<2	0.07	5	23	710	<20	0.30	<10	<10
I276471		3.09	1140	<1	0.13	66	1280	<2	0.03	<5	25	674	<20	0.29	10	<10
I276472		3.35	1220	<1	0.02	57	1210	<2	0.03	<5	24	752	<20	0.28	<10	<10
I276473		3.02	1065	<1	0.03	50	1240	3	0.03	5	24	783	<20	0.30	<10	<10
I276474		2.77	1130	<1	0.03	60	1230	<2	0.02	9	24	785	<20	0.32	<10	<10
I276475		0.61	325	<1	0.03	<1	190	<2	0.18	<5	1	431	<20	0.02	<10	<10
I276476		1.93	486	<1	3.24	83	1110	31	0.01	<5	6	332	<20	0.61	<10	<10
I276477		1.83	892	1	0.58	53	1180	6	1.35	7	22	519	<20	0.30	<10	<10
I276478		2.20	1205	<1	1.87	40	1540	<2	0.15	7	23	771	<20	0.33	<10	<10
I276479		2.80	1480	<1	0.88	39	1370	34	0.62	5	25	1000	<20	0.28	<10	<10
I276480		2.53	1315	<1	0.90	23	1500	31	0.28	6	19	727	<20	0.32	<10	<10

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CERTIFICATE OF ANALYSIS SD14052608

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I276441		88	<10	41
I276442		62	<10	57
I276443		86	<10	55
I276444		86	<10	51
I276445		101	<10	51
I276446		92	<10	46
I276447		94	<10	56
I276448		93	<10	57
I276449		100	<10	44
I276450		6	<10	13
I276451		68	<10	92
I276452		91	<10	50
I276453		91	<10	56
I276454		96	<10	77
I276455		96	<10	78
I276456		90	<10	76
I276457		93	<10	81
I276458		98	<10	76
I276459		90	<10	71
I276460		92	<10	74
I276461		91	<10	71
I276462		84	<10	62
I276463		100	<10	45
I276464		173	10	48
I276465		134	10	51
I276466		170	10	74
I276467		197	10	101
I276468		158	10	64
I276469		161	10	65
I276470		171	10	71
I276471		179	<10	85
I276472		168	<10	83
I276473		168	<10	71
I276474		166	10	69
I276475		7	<10	11
I276476		77	<10	43
I276477		186	20	69
I276478		182	30	106
I276479		187	20	94
I276480		169	20	94

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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
I276481		<0.5	8.21	40	1590	2.6	<2	3.34	<0.5	27	63	86	6.39	20	3.82	50
I276482		<0.5	7.61	32	1800	2.9	3	3.86	<0.5	31	107	74	6.12	20	3.84	40
I276483		<0.5	6.80	35	1420	2.3	2	4.92	<0.5	38	140	85	6.92	20	2.82	40
I276484		<0.5	6.51	11	1890	2.0	<2	6.51	<0.5	32	141	83	6.40	20	2.02	40
I276485		<0.5	7.31	31	1650	2.9	<2	5.09	<0.5	34	158	91	6.20	20	2.88	40
I276486		<0.5	7.58	15	1230	2.7	2	5.22	<0.5	34	167	99	7.05	20	2.37	40
I276487		<0.5	7.34	9	1140	2.1	<2	5.51	<0.5	36	153	97	7.07	20	1.89	40
I276488		<0.5	6.91	8	1250	1.8	<2	5.72	<0.5	31	138	88	6.51	20	1.86	40
I276489		<0.5	7.14	5	1290	1.8	<2	6.92	<0.5	35	158	94	7.05	20	1.99	40
I276490		<0.5	7.13	5	1350	1.9	<2	6.73	<0.5	35	156	101	6.98	20	2.27	40
I276491		<0.5	7.26	9	1940	3.0	<2	7.17	<0.5	36	166	100	7.30	20	2.84	40
I276492		<0.5	6.71	<5	1300	2.9	2	5.82	<0.5	30	131	75	6.14	20	2.26	30
I276493		<0.5	7.28	5	2060	3.0	<2	6.32	<0.5	31	129	80	6.24	20	2.26	40
I276494		<0.5	7.55	5	1600	2.6	2	4.36	<0.5	27	106	78	5.77	20	2.16	30
I276495		<0.5	7.94	<5	1150	2.4	<2	4.42	<0.5	26	96	66	5.64	20	1.86	40

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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
I276481		2.09	1160	<1	0.81	24	1820	72	2.27	<5	23	500	<20	0.36	<10	<10
I276482		2.29	1305	<1	0.30	27	1590	15	0.76	10	25	607	<20	0.39	<10	<10
I276483		3.00	1375	<1	0.66	39	1450	<2	0.10	<5	28	495	<20	0.38	<10	<10
I276484		3.49	1315	<1	0.97	37	1440	2	0.09	6	28	496	<20	0.40	<10	<10
I276485		3.24	960	<1	0.16	40	1640	9	0.16	9	29	486	<20	0.45	<10	<10
I276486		3.38	1260	<1	1.33	43	1580	<2	0.05	5	32	654	<20	0.42	<10	<10
I276487		3.54	1375	<1	1.97	42	1540	<2	0.02	<5	31	610	<20	0.45	<10	<10
I276488		3.38	1375	1	1.79	37	1430	<2	0.02	7	29	590	<20	0.43	<10	<10
I276489		3.49	1415	<1	1.36	42	1560	<2	0.02	<5	32	836	<20	0.47	<10	<10
I276490		3.24	1275	<1	0.64	38	1650	4	0.03	5	31	1065	<20	0.46	<10	<10
I276491		3.34	1435	<1	0.13	40	1860	<2	0.06	<5	32	1085	<20	0.51	<10	<10
I276492		3.00	963	<1	0.91	34	1560	<2	0.02	9	25	624	<20	0.46	<10	<10
I276493		3.11	1215	<1	1.13	35	1630	<2	0.03	5	26	1120	<20	0.47	<10	<10
I276494		2.63	1040	<1	2.02	31	1600	<2	0.02	<5	21	894	<20	0.42	<10	<10
I276495		2.50	1080	<1	2.51	28	1540	<2	0.01	<5	21	810	<20	0.42	<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 SD14052608

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I276481		198	30	104
I276482		200	10	86
I276483		213	10	102
I276484		209	10	103
I276485		219	<10	111
I276486		241	10	106
I276487		236	10	98
I276488		215	<10	90
I276489		234	<10	105
I276490		224	<10	114
I276491		245	10	118
I276492		201	<10	104
I276493		207	10	113
I276494		179	<10	102
I276495		167	10	96

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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