ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **CANADIAN MALARTIC CORPORATION**
KIRKLAND LAKE PROJECTS
72 UPPER CANADA DRIVE, P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

Finalized Date: 16-MAY-2015
Account: OSIKLI

CERTIFICATE SD15069623

Project: CLAIM 4279231

P.O. No.: KL001031

This report is for 20 Pulp samples submitted to our lab in Sudbury, ON, Canada on 13-MAY-2015.

The following have access to data associated with this certificate:

CHRISTOPHER CLARKE	MIKE FELL	CHRISTAL HANUSZCZAK

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	ICP-AES
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES

To: **CANADIAN MALARTIC CORPORATION**
ATTN: MIKE FELL
KIRKLAND LAKE PROJECTS
72 UPPER CANADA DRIVE, 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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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 16-MAY-2015
Account: OSIKLI

Project: CLAIM 4279231

CERTIFICATE OF ANALYSIS SD15069623

Sample Description	Method / Analyte / Units / LOR	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1
L767579		169.0	14.6	20	0.52	4.98	3.70	1.00	19.5	4.25	2.4	1.09	5.4	0.53	3.6	11.4
L767580		165.5	7.2	10	2.70	2.84	2.19	0.59	19.4	2.25	1.2	0.65	2.8	0.25	2.0	5.5
L767581		18.0	0.6	10	0.49	1.38	0.79	0.42	4.9	1.17	<0.2	0.26	<0.5	0.10	<0.2	0.9
L767582		73.3	5.9	10	1.43	2.96	2.01	0.47	21.2	2.06	1.4	0.58	2.2	0.25	2.1	4.9
L767583		117.0	6.0	10	0.90	2.20	1.35	0.60	10.2	2.04	0.8	0.43	2.8	0.19	1.4	4.3
L767584		1990	279	60	1.12	8.73	3.30	5.25	22.7	14.95	10.7	1.25	136.5	0.32	14.9	129.0
L767585		679	58.2	260	2.94	3.72	2.26	1.48	14.7	4.61	3.2	0.71	28.7	0.32	4.6	28.5
L767586		1855	47.3	200	2.31	3.16	1.55	1.13	17.3	3.67	3.4	0.55	23.4	0.23	5.6	24.0
L767587		667	52.0	290	1.68	3.02	1.74	1.45	17.7	3.72	3.5	0.58	25.1	0.25	4.3	25.9
L767588		539	48.4	180	4.15	2.80	1.57	1.14	18.1	3.50	3.1	0.50	23.9	0.23	3.8	24.6
L767598		814	44.0	390	5.99	3.52	2.03	1.35	18.1	3.84	2.9	0.68	21.3	0.28	4.3	23.1
L767599		465	58.7	540	3.20	3.81	2.16	1.61	16.2	4.76	3.1	0.71	28.4	0.27	3.9	30.4
L767600		631	40.2	380	3.11	3.62	2.19	1.20	15.5	4.13	2.6	0.78	19.3	0.30	3.4	21.8
R324838		6350	429	110	0.82	12.20	4.79	7.46	20.9	22.2	16.8	1.86	203	0.46	21.8	182.5
R324839		41.1	5.6	10	0.82	2.48	1.45	0.38	18.9	1.83	1.3	0.50	2.4	0.24	1.7	4.5
R324840		575	99.3	300	2.00	3.64	1.64	2.12	14.0	5.99	2.8	0.63	47.0	0.21	2.8	50.9
R324841		608	49.7	190	4.84	2.28	1.33	1.00	18.9	3.05	3.3	0.41	23.7	0.17	3.8	24.2
R324842		20.7	8.9	10	0.23	3.42	2.47	0.56	16.3	2.68	1.6	0.70	3.4	0.34	2.6	6.5
R324844		352	26.6	50	7.81	2.73	1.66	0.83	16.1	2.92	2.5	0.51	13.3	0.27	6.6	14.0
R324845		37.0	1.0	10	0.03	0.28	0.20	0.04	0.6	0.19	<0.2	0.05	1.1	0.02	<0.2	0.8

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To: **CANADIAN MALARTIC CORPORATION**
KIRKLAND LAKE PROJECTS
72 UPPER CANADA DRIVE, P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

Finalized Date: 16-MAY-2015
Account: OSIKLI

Project: CLAIM 4279231

CERTIFICATE OF ANALYSIS SD15069623

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th	Tm	U	V	W	Y	Yb	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.03	0.2	0.03	1	0.1	0.1	0.01	0.05	0.01	0.05	5	1	0.5	0.03	2
L767579		2.13	11.6	3.53	1	828	0.2	0.74	0.50	0.47	0.14	510	<1	28.6	3.38	79
L767580		1.04	38.7	1.63	1	99.9	<0.1	0.41	0.24	0.32	0.11	1610	73	16.2	1.82	38
L767581		0.12	4.1	0.81	<1	106.0	<0.1	0.26	<0.05	0.09	<0.05	194	4	7.3	0.65	<2
L767582		0.93	16.9	1.95	1	85.7	0.1	0.40	0.27	0.28	0.09	1440	14	14.6	1.92	43
L767583		0.88	13.8	1.54	<1	124.5	<0.1	0.31	0.17	0.18	0.06	779	33	11.4	1.24	27
L767584		32.3	167.0	23.4	3	1145	0.6	1.78	28.1	0.42	5.29	348	2	37.6	2.56	449
L767585		6.63	59.9	5.45	1	601	0.2	0.62	6.12	0.35	6.81	163	4	20.5	2.03	119
L767586		5.77	36.3	4.64	1	689	0.2	0.50	3.69	0.21	1.48	118	2	15.1	1.52	125
L767587		6.15	30.5	4.92	1	493	0.2	0.48	4.42	0.23	1.47	146	2	15.7	1.60	120
L767588		5.83	75.0	4.74	1	263	0.1	0.46	4.26	0.25	2.60	146	10	13.9	1.54	109
L767598		5.41	80.2	4.91	1	374	0.2	0.60	3.16	0.28	3.25	179	8	17.6	1.92	111
L767599		7.10	43.2	6.00	1	668	0.1	0.64	4.72	0.31	2.56	175	6	19.6	1.87	114
L767600		5.01	69.8	4.53	1	378	0.2	0.62	2.89	0.30	7.21	179	3	19.8	2.06	94
R324838		47.0	52.4	33.0	3	1375	0.9	2.48	41.4	0.54	10.75	171	6	55.6	3.44	793
R324839		0.86	3.1	1.36	1	96.2	0.1	0.33	0.24	0.24	0.08	1625	1	12.3	1.65	34
R324840		12.10	32.6	9.48	1	1060	0.1	0.69	6.54	0.22	1.46	123	5	16.7	1.42	109
R324841		5.88	93.4	4.60	1	122.5	0.2	0.40	3.88	0.19	2.27	153	10	10.7	1.21	118
R324842		1.31	1.2	2.10	<1	135.5	0.1	0.51	0.39	0.32	0.05	316	1	18.5	2.50	51
R324844		3.26	85.2	2.97	2	159.5	0.3	0.42	3.82	0.24	1.12	78	9	15.1	1.66	87
R324845		0.18	0.9	0.22	<1	73.2	<0.1	0.04	0.09	0.03	0.15	<5	<1	2.1	0.15	<2

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To: **CANADIAN MALARTIC CORPORATION**
KIRKLAND LAKE PROJECTS
72 UPPER CANADA DRIVE, P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

Finalized Date: 16-MAY-2015
Account: OSIKLI

Project: CLAIM 4279231

CERTIFICATE OF ANALYSIS SD15069623

Sample Description	Method / Analyte / Units / LOR	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.01	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	TOT-ICP06 Total % 0.01
L767579		50.8	14.00	15.25	9.32	4.94	1.07	0.53	<0.01	1.39	0.20	0.09	0.10	0.02	3.48	101.19
L767580		35.3	12.15	21.0	8.00	4.69	1.50	1.12	<0.01	1.89	0.19	0.04	0.01	0.02	13.95	99.86
L767581		52.1	2.42	11.30	11.90	4.74	0.05	0.12	<0.01	0.06	0.33	<0.01	0.01	<0.01	17.70	100.73
L767582		38.8	14.55	19.25	5.81	5.71	2.54	0.44	<0.01	2.15	0.17	0.05	0.01	0.01	11.20	100.69
L767583		43.8	7.63	13.15	10.40	4.72	1.97	0.41	<0.01	1.33	0.21	0.05	0.02	0.01	16.20	99.90
L767584		49.3	15.05	7.96	5.36	2.27	5.83	3.53	0.01	0.82	0.19	0.35	0.14	0.22	7.57	98.60
L767585		50.2	12.95	7.57	8.27	2.97	3.89	2.05	0.04	0.75	0.29	0.24	0.07	0.08	10.75	100.12
L767586		60.6	14.25	6.35	3.96	3.19	4.47	2.19	0.03	0.59	0.13	0.19	0.08	0.21	4.51	100.75
L767587		58.7	14.25	7.68	3.75	3.96	4.36	1.64	0.04	0.63	0.14	0.20	0.06	0.07	4.73	100.21
L767588		63.1	13.50	8.82	1.55	3.30	2.53	2.74	0.03	0.59	0.10	0.22	0.03	0.06	3.95	100.52
L767598		59.4	14.50	7.58	3.16	2.99	3.37	2.85	0.05	0.87	0.13	0.21	0.05	0.09	4.74	99.99
L767599		54.1	12.20	9.27	6.83	4.03	2.92	1.74	0.08	0.73	0.20	0.22	0.08	0.05	7.63	100.08
L767600		50.7	12.30	8.32	6.46	3.61	2.80	2.35	0.05	0.74	0.22	0.24	0.05	0.07	10.45	98.36
R324838		51.7	15.05	7.42	4.56	2.32	7.48	1.70	0.02	0.94	0.17	0.36	0.17	0.68	6.96	99.53
R324839		43.0	12.35	20.7	5.53	6.41	1.50	0.09	<0.01	2.13	0.17	0.04	0.01	0.01	8.50	100.44
R324840		40.2	9.75	6.94	10.70	8.92	3.03	1.00	0.04	0.45	0.20	0.25	0.13	0.06	18.05	99.72
R324841		62.0	15.15	8.12	0.48	2.52	2.78	3.15	0.03	0.71	0.06	0.19	0.01	0.07	3.45	98.72
R324842		47.2	13.25	12.20	7.95	5.76	2.40	0.04	<0.01	0.92	0.18	0.06	0.02	<0.01	10.15	100.13
R324844		65.5	13.80	7.73	1.75	1.41	0.80	3.13	0.01	0.46	0.13	0.18	0.02	0.04	4.92	99.88
R324845		10.90	0.19	0.17	47.1	2.73	0.03	0.02	<0.01	0.01	0.01	0.02	0.01	<0.01	37.1	98.29

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To: **CANADIAN MALARTIC CORPORATION**
KIRKLAND LAKE PROJECTS
72 UPPER CANADA DRIVE, P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

Finalized Date: 16-MAY-2015
Account: OSIKLI

Project: CLAIM 4279231

CERTIFICATE OF ANALYSIS SD15069623

Sample Description	Method	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81
	Analyte	Ag	As	Cd	Co	Cu	Li	Mo	Ni	Pb	Sc	Tl	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.5	5	0.5	1	1	10	1	1	2	1	10	2
L767579		<0.5	<5	<0.5	42	115	10	<1	22	<2	47	<10	85
L767580		<0.5	6	<0.5	64	692	40	<1	169	<2	56	<10	83
L767581		<0.5	<5	0.5	30	15	10	<1	49	2	23	<10	39
L767582		<0.5	5	<0.5	75	603	50	<1	118	<2	62	10	101
L767583		<0.5	<5	<0.5	43	184	10	<1	57	<2	40	<10	55
L767584		<0.5	8	<0.5	16	130	10	<1	22	49	8	<10	141
L767585		<0.5	8	<0.5	31	63	30	<1	124	12	21	<10	73
L767586		<0.5	6	<0.5	24	36	20	<1	98	6	15	<10	69
L767587		<0.5	9	<0.5	29	40	30	<1	123	4	19	10	83
L767588		<0.5	5	<0.5	24	40	50	<1	127	3	17	<10	90
L767598		<0.5	11	<0.5	39	80	70	<1	175	2	21	<10	89
L767599		<0.5	6	<0.5	41	60	50	<1	216	17	25	<10	101
L767600		<0.5	5	<0.5	38	66	30	<1	157	8	26	<10	108
R324838		0.5	6	<0.5	15	103	10	<1	34	45	7	<10	145
R324839		<0.5	<5	<0.5	80	333	50	<1	93	<2	55	10	88
R324840		<0.5	<5	<0.5	33	4	20	<1	203	5	17	<10	88
R324841		<0.5	<5	<0.5	30	42	50	<1	107	<2	18	<10	96
R324842		<0.5	<5	<0.5	44	8	60	<1	51	<2	45	<10	56
R324844		4.3	31	4.6	13	3580	20	19	23	112	8	<10	927
R324845		<0.5	<5	<0.5	<1	5	<10	<1	<1	2	<1	<10	4

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 16-MAY-2015
Account: OSIKLI

Project: CLAIM 4279231

CERTIFICATE OF ANALYSIS SD15069623

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:			
FND-02	ME-4ACD81	ME-ICP06	ME-MS81
OA-GRA05	TOT-ICP06		