ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **BATTERY MINERAL RESOURCES LTD.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-MAY-2019
This copy reported on
10-MAY-2019
Account: BMRPLLBW

CERTIFICATE SD19092998

Project: Iron Mask

This report is for 27 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 18-APR-2019.

The following have access to data associated with this certificate:

PETER DOYLE IAN PRINGLE	MIKE HENDRICKSON	FRANK PLOEGER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Ni-OG62	Ore Grade Ni - Four Acid	
ME-MS61	48 element four acid ICP-MS	

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: BATTERY MINERAL RESOURCES LTD.
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

CERTIFICATE OF ANALYSIS SD19092998

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
13097		2.20	0.15	0.56	9.0	10	1.97	0.26	9.71	0.04	44.8	18.2	18	0.50	386	16.30
13098		2.09	0.31	1.03	6.1	60	2.36	0.35	10.60	0.08	136.5	21.2	13	2.64	459	13.65
13099		2.40	0.09	0.60	5.5	30	2.65	0.38	7.13	0.03	10.70	15.0	20	0.91	131.5	30.6
13100		2.33	0.02	3.73	2.9	200	1.78	0.17	6.84	0.08	47.9	22.6	29	9.13	8.8	17.85
13101		1.82	0.01	6.69	1.2	450	1.27	0.15	1.08	0.03	128.0	14.4	66	16.75	5.3	9.93
13102		2.13	<0.01	6.69	1.0	170	0.74	0.16	0.82	0.03	58.9	9.9	22	5.64	4.4	7.34
13103		1.96	0.05	6.59	0.9	100	0.84	0.41	0.74	0.07	75.9	6.4	23	2.51	10.4	3.54
13104		2.17	0.03	6.99	9.9	920	0.89	0.74	3.83	0.02	16.75	40.1	61	28.8	55.9	11.75
13105		1.93	0.19	1.00	0.9	10	1.10	0.26	17.40	0.04	6.85	17.7	10	0.16	377	11.30
13106		2.66	0.19	0.58	2.1	20	1.63	0.50	9.70	0.03	57.9	22.3	5	0.19	304	38.0
13107		1.89	0.15	5.56	2.3	50	0.63	0.61	4.73	0.06	231	40.2	41	2.08	197.5	16.60
13108		2.36	0.01	5.77	1.5	430	0.49	0.18	3.49	<0.02	41.9	41.0	43	13.15	8.6	16.20
13109		1.84	<0.01	3.98	1.1	270	1.09	0.16	5.82	<0.02	22.8	33.5	29	7.75	7.8	13.65
13110		1.12	0.16	1.14	1.9	190	0.83	5.40	8.18	0.02	24.9	20.3	13	5.34	469	10.10
13111		1.83	0.26	0.30	2.8	<10	1.08	2.17	8.86	0.06	1.47	19.1	12	<0.05	448	10.50
13112		2.01	0.26	2.92	5.6	90	1.05	0.93	5.54	0.05	4.18	51.5	12	2.41	313	25.4
13113		2.05	0.04	5.90	5.5	<10	0.87	0.16	5.08	0.02	14.45	54.5	35	0.21	83.1	14.50
13114		1.97	0.05	1.08	1.4	10	0.41	0.13	25.4	0.12	26.5	8.3	8	<0.05	29.2	2.70
13115		2.08	0.10	0.83	2.5	<10	0.28	0.37	22.3	0.29	25.1	4.4	5	<0.05	8.6	2.30
13116		2.06	0.01	0.79	4.2	<10	0.44	0.01	21.3	0.04	46.6	2.4	5	<0.05	1.4	1.75
13117		2.00	0.03	1.03	3.0	<10	0.28	0.03	20.2	0.05	65.0	4.0	6	<0.05	10.5	1.75
13118		2.19	0.08	6.98	3.7	120	1.04	0.38	9.60	0.04	30.3	39.5	37	1.38	58.0	7.78
13119		1.02	0.07	5.94	2.0	140	1.24	0.16	7.31	0.06	38.4	46.1	3	1.23	107.0	10.55
13120		1.05	0.08	5.98	2.9	140	1.23	0.15	7.20	0.05	37.2	46.2	3	1.28	113.5	10.20
13121		0.07	3.94	5.47	13.8	120	0.54	0.77	3.57	2.17	16.50	957	270	0.74	>10000	18.00
13122		1.62	0.03	6.54	1.9	40	0.98	0.02	6.10	0.03	31.3	13.8	10	0.40	15.4	4.23
13123		1.91	0.10	6.28	4.8	200	0.90	0.29	5.55	0.07	29.8	60.3	4	1.42	176.0	12.55

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: BATTERY MINERAL RESOURCES LTD.
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

CERTIFICATE OF ANALYSIS SD19092998

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
13097		6.62	0.07	1.1	0.818	0.06	21.7	1.6	6.42	1630	0.61	0.11	1.4	40.2	90	2.6
13098		8.71	0.18	1.1	1.055	0.22	68.7	4.0	6.32	1820	0.28	0.13	1.5	54.2	80	6.4
13099		12.10	0.10	0.6	0.601	0.09	5.2	2.0	4.55	1280	0.96	0.09	1.2	40.7	70	2.9
13100		19.25	0.11	1.3	0.598	0.70	24.3	19.1	6.63	1620	0.52	0.09	3.1	62.2	230	7.6
13101		21.2	0.17	3.2	0.183	1.51	66.7	40.5	2.77	697	2.40	2.24	12.6	28.0	960	7.4
13102		17.25	0.10	3.5	0.082	0.52	29.4	24.0	1.79	582	3.58	3.09	5.5	6.1	350	5.9
13103		15.65	0.15	5.7	0.031	0.24	37.1	15.0	0.97	333	2.94	4.23	3.8	5.1	320	20.1
13104		17.65	0.11	1.5	0.130	2.76	7.8	51.0	4.03	1100	0.78	0.89	3.2	86.5	320	3.6
13105		3.98	0.06	1.1	0.658	0.06	3.7	2.5	4.18	2410	0.05	0.17	0.7	29.0	140	5.5
13106		7.98	0.39	0.4	0.288	0.05	30.5	2.3	2.14	1310	0.05	0.08	0.7	50.1	50	26.7
13107		27.6	0.29	1.7	0.268	0.19	119.5	32.8	7.97	1720	0.67	0.07	3.2	82.8	270	43.3
13108		27.6	0.18	1.8	0.211	1.36	20.8	55.2	7.98	1620	0.33	0.06	4.0	80.3	310	1.3
13109		13.85	0.08	1.6	0.291	0.81	10.3	36.2	8.99	1620	0.28	0.09	4.4	55.0	260	0.9
13110		4.40	0.05	1.0	0.290	0.55	12.6	10.8	10.10	1360	0.09	0.05	2.5	43.6	230	2.1
13111		2.46	0.05	0.7	0.258	0.02	0.6	1.4	10.50	1260	0.19	0.04	0.7	75.1	190	3.1
13112		14.20	0.14	0.6	0.194	0.30	2.1	12.8	7.10	1460	0.11	0.06	1.2	62.0	80	14.0
13113		17.45	0.07	1.3	0.150	0.04	6.3	24.9	9.77	2020	0.12	0.06	3.1	66.6	310	2.4
13114		3.27	0.05	0.7	0.027	<0.01	12.6	1.8	8.41	3390	<0.05	0.01	1.6	9.0	60	7.4
13115		2.49	<0.05	0.6	0.043	<0.01	13.2	1.7	10.40	3810	<0.05	0.01	1.1	7.3	50	41.3
13116		2.32	0.05	0.6	0.026	<0.01	26.5	2.2	11.70	3950	<0.05	0.01	1.2	8.1	50	0.9
13117		2.90	0.07	0.7	0.025	<0.01	36.0	1.8	12.00	3840	<0.05	0.01	1.5	8.7	40	4.3
13118		17.30	<0.05	1.5	0.140	0.34	15.7	11.7	5.11	1740	0.78	1.78	3.2	73.1	320	5.5
13119		20.6	0.07	3.8	0.240	0.47	17.5	9.9	2.46	1580	0.76	2.45	6.5	19.5	610	4.7
13120		20.6	0.06	3.4	0.229	0.48	16.2	10.1	2.43	1500	0.81	2.52	6.7	20.0	630	4.7
13121		11.85	0.27	1.3	0.127	0.32	6.4	9.9	4.01	989	4.34	1.19	4.9	>10000	470	12.4
13122		14.95	0.05	3.2	0.108	0.16	12.4	6.3	1.33	830	1.55	4.56	6.4	24.5	670	4.9
13123		21.4	<0.05	2.8	0.109	0.62	13.3	12.8	2.33	1750	0.84	2.35	5.3	38.9	530	5.6

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: BATTERY MINERAL RESOURCES LTD.
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

CERTIFICATE OF ANALYSIS SD19092998

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
13097		5.1	<0.002	0.09	1.11	2.9	1	2.4	25.6	0.15	<0.05	1.10	0.059	0.06	1.8	25
13098		26.1	<0.002	0.19	1.58	3.0	1	3.3	34.0	0.13	<0.05	1.46	0.045	0.27	5.2	26
13099		9.4	<0.002	0.03	1.64	1.7	1	2.5	19.7	0.12	<0.05	1.18	0.043	0.11	1.4	35
13100		90.4	<0.002	0.01	0.46	13.6	1	4.0	17.0	0.24	<0.05	2.86	0.218	0.63	3.1	112
13101		180.0	<0.002	<0.01	0.16	5.0	<1	3.1	28.9	0.82	<0.05	14.35	0.214	1.28	6.8	40
13102		56.3	<0.002	0.01	0.10	1.8	<1	0.8	33.0	0.37	<0.05	14.30	0.086	0.43	4.6	15
13103		25.5	<0.002	0.01	0.16	1.8	<1	0.6	51.7	0.24	<0.05	20.7	0.073	0.19	4.3	17
13104		285	<0.002	0.02	0.23	31.2	1	2.7	118.0	0.20	<0.05	1.72	0.480	2.41	0.8	242
13105		1.7	<0.002	0.30	0.46	2.0	1	1.9	60.0	0.12	<0.05	2.42	0.045	0.07	3.3	45
13106		1.9	<0.002	0.44	0.77	1.0	1	1.1	38.4	0.09	<0.05	1.26	0.026	0.14	1.6	28
13107		20.9	<0.002	0.30	0.62	26.6	<1	3.8	7.4	0.21	<0.05	2.08	0.399	0.31	2.7	195
13108		148.0	<0.002	0.02	0.18	25.5	<1	3.1	4.9	0.26	<0.05	2.41	0.404	1.04	3.6	213
13109		88.5	<0.002	0.02	0.40	19.7	<1	1.9	5.9	0.36	<0.05	3.11	0.310	0.62	2.7	140
13110		61.0	<0.002	0.08	0.46	6.3	1	1.0	5.4	0.26	<0.05	4.87	0.115	0.42	3.1	71
13111		0.4	<0.002	0.24	0.52	2.1	1	0.5	5.5	0.08	<0.05	1.38	0.033	0.03	0.8	32
13112		32.5	<0.002	0.99	2.06	5.6	2	0.7	6.7	0.12	<0.05	0.81	0.091	0.58	0.5	65
13113		1.6	<0.002	0.11	0.32	29.5	1	1.6	5.7	0.17	<0.05	2.14	0.403	0.05	1.0	184
13114		0.2	<0.002	0.06	0.07	2.3	1	0.2	60.7	0.13	<0.05	1.42	0.047	<0.02	0.8	14
13115		0.2	<0.002	0.11	0.11	1.6	1	0.2	43.9	0.10	<0.05	0.90	0.035	<0.02	0.6	9
13116		0.1	<0.002	<0.01	0.07	1.7	1	0.3	37.7	0.10	<0.05	1.08	0.034	<0.02	0.7	8
13117		0.1	<0.002	0.04	0.07	2.0	1	0.3	34.3	0.12	<0.05	1.62	0.044	<0.02	0.8	11
13118		22.1	<0.002	0.06	1.59	36.4	1	1.1	258	0.22	<0.05	2.10	0.492	0.16	1.1	230
13119		28.2	0.005	0.13	0.56	39.2	1	1.9	243	0.42	<0.05	3.86	1.225	0.16	1.9	489
13120		28.6	0.004	0.15	0.55	37.3	1	1.9	236	0.42	<0.05	3.81	1.270	0.18	1.8	500
13121		10.3	0.055	8.41	4.18	8.8	23	2.3	186.0	0.27	4.47	0.95	0.540	0.16	0.3	80
13122		6.4	0.008	0.02	0.13	11.7	1	1.0	59.3	0.67	<0.05	14.20	0.311	0.06	2.6	130
13123		35.9	0.003	0.24	0.51	43.1	2	1.1	209	0.35	<0.05	3.24	1.230	0.21	1.0	687

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: BATTERY MINERAL RESOURCES LTD.
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

CERTIFICATE OF ANALYSIS SD19092998

Sample Description	Method / Analyte / Units / LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Cu-OG62 Cu % 0.001	Ni-OG62 Ni % 0.001	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
13097		0.2	26.7	59	33.0			76.6	91.9
13098		0.2	42.0	62	37.9				
13099		0.3	17.5	45	23.3				
13100		0.2	31.9	83	41.7				
13101		0.2	38.9	60	103.5				
13102		0.1	12.7	39	104.0				
13103		0.1	18.0	30	176.0				
13104		0.2	15.5	74	53.5				
13105		0.1	16.6	47	41.2				
13106		0.2	9.5	39	16.9				
13107		1.5	72.1	139	56.8				
13108		1.1	48.3	123	59.3				
13109		0.7	37.3	111	51.7				
13110		0.2	13.4	74	31.4				
13111		0.1	10.4	65	21.0				92.9
13112		0.2	5.6	114	21.0				91.0
13113		1.3	15.3	184	52.6				
13114		0.2	9.5	60	27.5				
13115		0.2	8.4	128	19.4				
13116		0.2	7.1	43	20.4				
13117		0.2	7.8	46	26.5				
13118		0.4	19.5	107	57.9				
13119		0.5	30.5	81	131.0				
13120		0.5	30.4	79	142.0				
13121		2.2	8.9	136	51.6	1.625	4.67		
13122		0.1	15.6	39	116.5				
13123		0.5	25.7	94	104.5				

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: BATTERY MINERAL RESOURCES LTD.
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

CERTIFICATE OF ANALYSIS SD19092998

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.

Applies to Method: ME-MS61

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:

CRU-31	CRU-QC	LOG-22	LOG-24
PUL-31	PUL-QC	SPL-21	WEI-21

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

Applies to Method:

Cu-OG62	ME-MS61	ME-OG62	Ni-OG62