ALS Canada Ltd.

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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 SD19092996

Project: Iron Mask

This report is for 49 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

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Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

CERTIFICATE OF ANALYSIS SD19092996

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
13001		1.80	0.08	6.51	3.4	420	0.81	0.24	5.48	0.07	27.3	51.5	10	5.24	139.5	11.05
13002		1.86	0.06	5.58	2.8	70	1.12	0.48	8.42	0.05	52.9	48.5	8	0.49	173.0	10.15
13003		2.05	0.15	1.03	4.4	<10	0.31	0.04	19.10	1.50	48.3	8.5	6	<0.05	37.2	3.74
13004		1.56	0.02	1.39	3.6	<10	1.29	0.16	19.30	0.04	43.1	18.1	12	<0.05	3.8	6.79
13005		2.01	0.02	0.78	3.8	<10	0.49	0.22	19.60	0.03	31.4	20.0	5	<0.05	3.2	4.46
13006		2.07	0.01	0.75	1.6	<10	0.67	0.04	21.0	0.02	47.7	5.4	4	<0.05	2.1	2.22
13007		2.05	0.01	1.39	3.6	10	0.97	0.05	23.5	0.02	84.5	17.5	8	<0.05	2.7	2.06
13008		2.09	0.02	1.44	6.5	<10	1.16	0.01	19.95	<0.02	76.5	4.1	9	<0.05	1.1	2.64
13009		2.57	0.02	0.70	4.2	<10	0.80	0.01	20.4	0.03	83.9	3.5	4	<0.05	1.1	2.14
13010		1.17	0.01	0.70	3.8	<10	0.74	0.01	19.65	0.05	171.5	2.1	5	<0.05	1.1	2.53
13011		1.26	0.19	0.98	4.6	<10	0.57	0.05	16.20	1.18	60.8	9.9	9	0.06	14.6	11.80
13012		1.14	0.02	1.28	3.3	<10	0.54	0.04	18.65	0.09	58.2	10.7	9	<0.05	24.1	6.53
13013		1.67	0.04	1.04	4.2	10	0.60	0.13	5.20	0.03	3.50	22.0	10	<0.05	48.7	39.7
13014		1.56	0.03	3.24	6.6	120	1.60	0.10	7.36	0.07	6.49	35.0	21	1.26	18.8	9.87
13015		2.49	0.02	7.04	3.1	120	1.23	0.43	9.14	0.02	20.9	34.5	45	1.76	36.2	9.02
13016		2.19	0.10	7.37	3.2	300	0.53	0.13	6.92	0.06	18.30	47.7	40	3.74	137.5	8.54
13017		1.06	0.44	3.36	111.5	320	1.52	0.09	13.65	0.24	44.5	162.5	21	5.25	698	7.68
13018		1.47	0.13	7.57	4.3	170	1.17	0.22	7.36	0.09	26.0	45.1	40	1.42	101.0	6.67
13019		1.07	0.05	7.33	2.4	190	1.36	0.29	7.00	0.04	24.9	34.6	42	2.11	47.9	6.63
13020		0.86	0.07	7.09	2.9	170	1.36	0.30	6.80	0.03	25.2	36.1	41	1.93	46.4	6.59
13021		0.07	3.90	5.39	14.0	120	0.57	0.82	3.53	2.05	17.65	969	275	0.75	>10000	18.05
13022		1.90	0.05	0.88	1.7	40	0.19	0.11	22.1	0.10	15.35	9.5	5	0.07	6.4	2.43
13023		1.96	0.01	0.86	2.5	<10	0.11	0.01	21.8	0.03	21.6	5.2	5	<0.05	2.1	1.37
13024		1.84	0.01	0.78	6.4	10	0.30	0.02	20.6	0.08	27.8	7.7	6	<0.05	1.7	3.34
13025		0.47	0.01	0.05	<0.2	20	0.06	<0.01	34.5	<0.02	0.99	0.7	2	<0.05	1.2	0.11
13026		1.92	0.01	0.74	5.8	10	0.38	0.03	20.5	0.13	23.6	7.3	4	<0.05	1.3	2.28
13027		1.97	0.04	0.64	8.2	20	0.22	0.13	23.4	0.21	25.3	10.9	5	<0.05	1.1	3.45
13028		2.53	0.01	1.18	15.1	10	0.77	0.03	2.29	0.43	10.45	50.1	11	0.11	0.9	41.9
13029		2.51	2.46	0.78	5.3	10	0.55	6.82	4.85	16.50	7.64	45.2	7	0.05	16.6	37.7
13030		1.99	6.74	0.88	5.2	<10	0.63	19.55	22.9	28.4	21.7	16.1	7	<0.05	43.0	3.33
13031		2.02	2.82	0.62	3.5	<10	1.03	12.85	20.4	7.00	22.2	13.1	5	<0.05	29.0	5.95
13032		2.51	0.48	1.04	19.1	10	0.57	7.04	6.45	0.89	12.30	28.7	11	0.06	31.2	34.4
13033		2.56	0.06	0.74	2.7	<10	0.65	1.08	3.93	0.16	18.30	22.8	9	0.05	12.0	37.0
13034		2.63	0.03	0.92	1.2	10	0.70	0.12	4.10	0.05	2.28	16.2	9	0.08	22.5	47.3
13035		2.67	0.12	1.05	2.1	10	0.56	0.46	5.51	0.07	3.84	52.7	11	0.11	259	43.3
13036		2.92	0.01	1.00	1.7	10	0.46	0.09	2.13	0.02	1.15	15.0	12	0.15	24.1	46.3
13037		2.64	0.05	0.87	2.7	10	0.76	0.25	4.40	0.04	2.24	21.1	7	0.08	94.5	36.6
13038		1.61	0.04	1.04	0.6	<10	0.58	0.07	25.2	0.05	5.99	10.2	9	<0.05	40.3	3.90
13039		1.10	0.08	7.09	3.5	400	1.14	0.39	6.42	0.07	40.4	32.7	28	4.39	96.5	7.67
13040		0.95	0.07	7.30	3.6	380	1.22	0.44	6.74	0.06	42.1	33.6	32	4.13	101.5	7.88

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VANCOUVER BC V6C 1A5

Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

CERTIFICATE OF ANALYSIS SD19092996

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
13001		19.10	0.09	2.3	0.091	1.16	12.1	19.2	2.74	1630	1.11	1.93	4.6	37.6	480	9.0
13002		18.90	0.10	2.7	0.130	0.24	29.0	12.1	4.55	2030	1.07	1.48	5.4	23.6	530	5.4
13003		3.32	0.07	0.7	0.032	<0.01	26.9	2.2	12.35	5320	0.07	0.01	1.6	10.8	60	149.0
13004		4.64	0.06	0.7	0.048	<0.01	25.3	1.9	9.46	2780	<0.05	0.01	1.9	27.0	90	2.0
13005		2.61	0.05	0.5	0.035	<0.01	16.9	2.5	11.90	5170	<0.05	0.01	1.2	10.4	60	2.6
13006		2.61	0.07	0.5	0.035	<0.01	26.4	2.4	11.25	4970	<0.05	0.01	0.9	6.4	70	0.9
13007		4.13	0.09	0.7	0.044	<0.01	50.9	3.1	8.03	3070	<0.05	0.01	1.7	13.5	130	1.0
13008		3.95	0.10	0.8	0.050	<0.01	45.4	3.8	10.50	3920	<0.05	0.01	1.9	13.3	150	0.8
13009		2.33	0.08	0.5	0.041	<0.01	45.4	3.7	11.25	4700	<0.05	0.01	1.1	8.5	80	0.9
13010		2.61	0.13	0.5	0.038	<0.01	94.1	2.9	11.20	3810	<0.05	0.01	1.3	9.3	150	1.8
13011		4.57	0.09	0.7	0.059	<0.01	32.0	2.0	10.35	3490	0.09	0.01	1.8	16.7	50	108.0
13012		5.09	0.08	0.9	0.065	<0.01	29.2	1.6	10.60	3560	<0.05	0.01	2.3	12.2	150	9.5
13013		12.40	0.25	0.7	0.042	0.01	1.3	1.2	5.88	963	<0.05	0.01	2.6	17.8	70	3.5
13014		11.80	0.06	0.9	0.135	0.25	3.0	12.6	10.75	1760	0.05	0.13	1.7	59.2	230	3.0
13015		18.30	0.07	1.5	0.167	0.40	10.1	12.5	4.80	1690	0.77	1.40	3.2	83.8	320	5.2
13016		16.75	0.07	1.6	0.069	0.83	8.0	17.1	4.01	1450	0.59	1.81	3.2	87.5	350	5.0
13017		11.65	0.09	0.8	0.267	1.41	25.3	28.1	7.37	2250	0.25	0.20	2.0	83.0	160	3.5
13018		18.30	0.08	1.8	0.107	0.42	12.5	12.1	4.15	1590	0.76	2.37	3.3	87.2	280	12.1
13019		17.60	0.07	1.5	0.110	0.55	12.0	15.6	4.60	1550	0.53	2.16	3.1	75.0	270	5.7
13020		17.30	0.07	1.5	0.098	0.48	11.9	17.8	4.51	1520	0.43	2.15	3.2	72.4	260	5.8
13021		11.75	0.23	1.2	0.123	0.31	7.3	9.9	4.05	994	4.86	1.19	5.1	>10000	460	13.0
13022		2.77	<0.05	0.6	0.019	0.01	9.5	2.5	10.15	4290	0.44	0.01	1.1	8.6	40	12.2
13023		2.43	0.05	0.6	0.020	<0.01	12.3	1.6	11.25	4800	<0.05	0.01	1.4	5.9	50	0.9
13024		2.39	0.05	0.6	0.031	<0.01	14.7	1.2	11.80	5030	<0.05	<0.01	1.1	13.4	50	1.8
13025		0.21	<0.05	0.1	<0.005	<0.01	1.1	1.1	1.34	116	0.05	0.02	0.1	0.6	50	<0.5
13026		2.36	0.06	0.5	0.033	<0.01	12.0	1.2	11.75	5120	<0.05	<0.01	1.0	9.0	50	2.0
13027		2.91	0.05	0.4	0.046	<0.01	13.1	0.7	8.67	4240	<0.05	<0.01	1.0	4.4	80	11.0
13028		14.00	0.57	0.7	0.061	0.01	6.4	1.6	7.27	2040	<0.05	0.01	1.3	11.8	60	4.0
13029		10.85	0.58	0.6	0.060	0.01	4.6	1.0	6.40	2390	<0.05	0.01	1.1	9.7	40	517
13030		4.80	<0.05	0.7	0.200	<0.01	12.0	0.8	7.26	4230	<0.05	<0.01	1.5	5.4	50	902
13031		4.67	<0.05	0.4	0.083	<0.01	11.6	0.8	8.59	4270	<0.05	0.01	1.1	4.5	40	192.0
13032		12.35	0.22	0.8	0.068	0.01	7.6	1.0	6.89	2000	<0.05	0.01	1.5	8.6	60	29.0
13033		11.65	0.46	0.6	0.071	0.01	13.9	1.0	6.60	1050	<0.05	0.02	1.3	6.5	40	4.1
13034		14.10	0.65	0.7	0.071	0.01	1.3	1.7	4.01	864	0.19	0.01	2.3	6.1	40	2.4
13035		13.55	0.67	0.8	0.069	0.01	2.5	2.3	4.08	945	0.11	0.01	1.8	19.6	60	6.1
13036		16.10	0.88	0.8	0.068	0.01	0.5	2.4	4.79	590	0.06	0.01	1.7	9.0	40	2.0
13037		12.70	0.58	0.6	0.090	0.02	1.1	1.7	5.78	734	0.17	0.02	1.2	17.0	20	3.8
13038		3.51	<0.05	0.7	0.040	0.01	3.3	1.4	6.15	2820	0.35	0.02	1.6	7.7	80	3.3
13039		18.25	0.08	3.0	0.107	1.02	19.8	16.5	3.33	1220	0.92	2.23	5.8	53.1	430	6.1
13040		19.75	0.09	3.0	0.108	0.93	20.3	15.7	3.36	1260	1.31	2.29	6.4	55.1	460	6.2

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Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

CERTIFICATE OF ANALYSIS SD19092996

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
13001		77.1	0.002	0.12	0.59	37.3	1	1.0	187.5	0.32	<0.05	2.92	0.863	0.57	1.0	393
13002		8.6	0.002	0.10	0.74	33.4	1	1.4	222	0.37	<0.05	3.54	0.883	0.10	1.5	336
13003		0.2	<0.002	0.09	0.22	2.1	1	0.2	46.4	0.12	<0.05	1.53	0.046	<0.02	1.0	14
13004		0.1	<0.002	0.09	0.17	4.6	1	0.4	43.0	0.13	<0.05	1.54	0.084	<0.02	0.9	32
13005		0.1	<0.002	0.44	0.12	1.7	1	0.2	46.0	0.09	<0.05	1.53	0.033	<0.02	1.1	13
13006		0.1	<0.002	0.07	0.08	2.1	1	0.2	47.9	0.08	<0.05	1.11	0.039	<0.02	0.9	19
13007		0.1	<0.002	0.23	0.08	4.9	1	0.2	58.3	0.11	<0.05	1.57	0.096	<0.02	1.3	39
13008		0.2	<0.002	0.01	0.16	2.7	1	0.3	48.5	0.14	<0.05	2.42	0.058	<0.02	2.0	19
13009		0.2	<0.002	<0.01	0.11	1.5	1	0.3	45.1	0.09	<0.05	1.13	0.029	<0.02	1.1	8
13010		0.2	<0.002	<0.01	0.10	1.5	1	0.3	42.1	0.09	<0.05	1.72	0.030	<0.02	1.1	9
13011		0.2	<0.002	0.07	0.60	2.0	1	0.3	37.9	0.13	<0.05	1.33	0.041	<0.02	0.9	10
13012		0.2	<0.002	0.05	0.11	2.6	1	0.2	44.4	0.16	<0.05	3.28	0.051	<0.02	1.7	14
13013		0.1	<0.002	0.13	0.42	2.1	1	0.3	12.5	0.15	<0.05	1.76	0.043	<0.02	0.8	15
13014		18.8	<0.002	0.06	0.30	14.9	1	0.7	35.2	0.11	<0.05	1.41	0.192	0.13	0.9	100
13015		25.7	0.002	0.02	1.20	34.4	1	1.1	308	0.21	<0.05	2.00	0.483	0.15	1.0	240
13016		59.5	<0.002	0.12	0.55	37.0	1	0.7	183.0	0.21	<0.05	1.84	0.533	0.43	0.6	260
13017		109.5	<0.002	0.46	0.12	25.2	2	0.6	37.6	0.12	0.08	1.95	0.207	0.74	1.4	102
13018		27.1	0.002	0.15	0.99	36.8	1	0.9	212	0.22	<0.05	4.20	0.480	0.20	1.2	250
13019		38.1	<0.002	0.05	1.05	31.9	1	1.0	220	0.23	<0.05	3.36	0.408	0.20	1.0	214
13020		28.9	<0.002	0.06	1.11	30.1	1	1.0	218	0.23	<0.05	3.34	0.386	0.18	1.0	202
13021		10.4	0.044	8.19	3.39	8.9	22	2.6	185.5	0.29	4.53	1.08	0.522	0.17	0.4	79
13022		0.8	<0.002	0.18	0.35	1.9	1	0.2	38.8	0.11	<0.05	1.11	0.037	0.02	0.8	13
13023		0.2	<0.002	<0.01	0.14	1.7	1	0.3	38.0	0.11	<0.05	1.21	0.036	<0.02	0.8	9
13024		0.2	<0.002	<0.01	0.33	1.5	1	0.3	51.3	0.10	<0.05	1.09	0.034	<0.02	0.8	9
13025		0.2	<0.002	<0.01	<0.05	0.2	1	<0.2	85.6	<0.05	<0.05	0.05	<0.005	<0.02	0.1	1
13026		0.2	<0.002	<0.01	0.31	1.5	1	0.2	52.3	0.09	<0.05	1.06	0.031	<0.02	0.7	7
13027		0.2	<0.002	<0.01	0.40	1.3	1	0.2	67.7	0.08	<0.05	1.35	0.026	<0.02	1.2	5
13028		0.5	<0.002	0.02	1.02	2.0	<1	0.7	5.7	0.13	<0.05	1.12	0.049	<0.02	0.7	16
13029		0.3	<0.002	0.16	0.47	2.0	1	0.6	15.1	0.10	0.07	0.96	0.036	0.03	0.5	11
13030		0.1	<0.002	0.28	0.23	1.5	3	0.3	80.9	0.12	0.21	1.60	0.036	0.07	0.8	9
13031		0.1	<0.002	0.07	0.22	1.2	1	0.3	70.1	0.08	0.12	0.62	0.025	<0.02	0.3	6
13032		0.2	<0.002	0.05	1.17	2.1	1	0.7	20.8	0.13	<0.05	1.27	0.043	<0.02	0.8	12
13033		0.3	<0.002	0.02	0.25	1.9	<1	0.7	5.2	0.11	<0.05	1.02	0.033	<0.02	0.6	8
13034		0.2	<0.002	0.07	0.49	1.3	1	0.7	13.5	0.14	<0.05	1.40	0.038	<0.02	0.6	10
13035		0.3	<0.002	1.25	0.61	1.2	3	0.6	20.2	0.11	<0.05	1.37	0.041	0.02	0.6	10
13036		0.4	<0.002	0.08	0.24	2.2	<1	0.6	2.5	0.16	<0.05	1.48	0.050	<0.02	0.6	14
13037		0.3	<0.002	0.34	0.41	1.7	1	0.5	7.7	0.10	<0.05	0.91	0.032	<0.02	0.6	8
13038		0.2	<0.002	0.09	0.08	1.9	1	<0.2	72.3	0.12	<0.05	1.89	0.041	<0.02	1.3	14
13039		73.5	<0.002	0.09	1.10	27.6	1	1.4	280	0.43	<0.05	5.36	0.537	0.46	1.8	252
13040		65.7	0.002	0.09	1.23	29.6	<1	1.6	298	0.43	<0.05	5.61	0.577	0.44	1.9	264

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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 SD19092996

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
13001		0.7	22.1	126	90.4			71.9	96.9
13002		0.8	26.7	119	96.6				
13003		0.2	9.8	445	26.3				
13004		0.2	9.2	71	28.4				
13005		0.1	9.1	43	21.9				
13006		0.1	14.6	40	19.1				
13007		0.2	18.5	57	27.8				
13008		0.3	20.1	62	32.5				
13009		0.2	14.5	42	18.7				
13010		0.2	13.0	53	18.7				
13011		0.2	11.1	597	27.5			87.4	
13012		0.2	13.0	72	35.7				
13013		0.2	2.7	77	27.2				
13014		0.2	9.2	167	33.8				
13015		0.4	17.2	109	52.0				
13016		0.3	17.2	104	57.6				
13017		0.1	79.7	172	29.7				
13018		0.3	18.3	120	61.3				
13019		0.3	14.0	109	52.9				
13020		0.3	13.8	107	52.6				
13021		2.1	9.7	141	51.4	1.675	4.61		
13022		0.1	7.5	57	20.9				
13023		0.2	6.5	53	21.7				94.8
13024		0.3	8.0	94	22.9				
13025		1.2	1.9	2	4.2				
13026		0.3	7.5	119	20.1				
13027		0.2	8.8	168	15.3				
13028		0.3	3.6	414	28.4				
13029		0.2	2.9	2550	19.7				
13030		0.1	7.1	4410	25.2				
13031		0.1	7.7	966	15.3				
13032		0.3	5.3	302	30.5				
13033		0.2	4.6	125	21.8				
13034		0.2	4.2	95	24.3				
13035		0.2	4.9	88	27.0				
13036		0.2	3.8	85	30.3				
13037		0.2	5.2	75	21.2				
13038		0.1	8.7	46	25.1				
13039		1.6	20.7	105	90.7				
13040		1.8	23.2	105	95.0			81.6	91.2

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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 SD19092996

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
13041		0.07	3.94	5.25	13.1	110	0.55	1.03	3.39	2.05	16.25	937	268	0.77	>10000	17.45
13042		2.22	0.08	6.94	2.1	180	1.08	0.09	4.36	0.07	24.0	48.3	24	1.31	134.5	10.60
13043		2.10	0.05	6.96	2.2	120	0.99	0.08	6.46	0.04	18.20	40.4	13	1.39	64.6	8.69
13044		2.00	0.06	6.02	1.3	60	0.97	0.11	6.50	0.10	28.8	33.6	5	0.41	76.9	7.85
13045		2.19	0.09	7.11	1.0	170	0.54	0.11	6.62	0.12	20.5	59.0	3	2.41	181.0	11.25
13046		2.08	0.12	6.35	4.0	170	0.73	0.10	5.68	0.10	28.5	61.4	2	2.32	216	11.80
13047		2.24	0.07	6.26	7.1	200	0.95	0.17	6.29	0.09	35.9	52.6	6	1.89	125.0	11.65
13048		2.10	0.06	6.00	2.7	350	1.04	0.12	5.03	0.10	41.9	49.6	3	3.10	84.6	12.75
13049		2.10	0.16	6.05	4.0	290	1.14	0.14	4.78	0.37	45.0	51.6	5	2.65	115.5	11.35

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Finalized Date: 3-MAY-2019
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Project: Iron Mask

CERTIFICATE OF ANALYSIS SD19092996

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
13041		11.20	0.24	1.3	0.116	0.30	7.3	9.7	3.88	962	4.80	1.15	5.1	>10000	460	13.4
13042		21.9	0.09	2.4	0.116	0.50	11.7	25.9	4.94	1510	0.82	1.78	4.2	101.0	410	6.3
13043		17.65	0.06	1.8	0.100	0.43	8.3	16.4	3.34	1480	0.50	2.49	3.1	58.0	320	4.6
13044		16.90	0.10	2.7	0.108	0.18	12.9	12.6	2.75	1390	0.90	2.54	5.3	36.4	500	10.0
13045		20.1	0.09	2.0	0.076	0.62	9.3	12.9	2.83	1580	0.58	1.74	3.8	40.2	370	5.4
13046		20.5	0.09	2.6	0.085	0.66	13.0	13.6	2.27	1600	0.82	1.83	5.0	29.7	500	5.2
13047		22.5	0.11	2.9	0.112	0.60	16.4	12.2	1.85	1670	1.06	2.16	6.6	20.1	610	6.9
13048		22.0	0.12	4.2	0.108	0.95	19.3	17.1	1.52	1740	1.13	1.92	7.3	9.6	700	13.2
13049		22.8	0.12	4.4	0.113	0.91	20.6	16.6	1.43	1480	2.73	2.11	8.1	4.5	780	212

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Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

CERTIFICATE OF ANALYSIS SD19092996

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
13041		11.1	0.046	7.91	3.36	7.9	22	2.4	177.0	0.31	4.01	1.03	0.506	0.16	0.3	77
13042		27.7	<0.002	0.10	0.31	32.9	1	1.5	123.5	0.28	<0.05	2.72	0.567	0.19	2.0	270
13043		29.4	<0.002	0.05	0.34	30.9	<1	0.8	137.5	0.22	<0.05	2.01	0.486	0.17	0.7	276
13044		7.8	<0.002	0.08	0.40	30.5	1	1.1	174.0	0.36	<0.05	3.32	0.760	0.06	1.5	352
13045		33.5	<0.002	0.14	0.22	37.3	1	0.9	202	0.26	<0.05	2.36	0.894	0.27	0.7	528
13046		37.7	<0.002	0.16	0.29	34.1	1	1.1	177.5	0.34	<0.05	3.17	1.045	0.34	0.9	598
13047		33.5	0.002	0.18	0.46	35.3	1	1.4	208	0.43	<0.05	3.97	1.240	0.31	1.2	566
13048		53.4	0.002	0.19	0.40	31.5	1	1.5	172.5	0.52	<0.05	5.07	1.345	0.45	1.5	450
13049		41.7	0.003	0.26	0.58	31.1	1	1.7	172.0	0.54	<0.05	5.33	1.120	0.68	1.6	252

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Project: Iron Mask

CERTIFICATE OF ANALYSIS SD19092996

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
13041		2.3	9.3	135	48.4	1.690	4.61		
13042		0.6	22.7	142	84.7				
13043		0.5	16.4	101	62.5				
13044		0.6	24.3	87	93.1				
13045		0.4	18.5	135	70.1				
13046		0.4	23.2	141	92.4				
13047		0.6	28.7	105	102.0				
13048		0.7	29.6	111	145.0				
13049		0.8	33.8	168	157.0				

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Finalized Date: 3-MAY-2019
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CERTIFICATE OF ANALYSIS SD19092996

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