



ALS Canada Ltd.

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To: **ARCUS DEVELOPMENT GROUP**
510 WEST HASTINGS ST.
VANCOUVER BC V6B 1L8

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Plus Appendix Pages
Finalized Date: 15-OCT-2017
Account: DEVARC

CERTIFICATE WH17186526

Project: Dan Man

P.O. No.: 1006216-Batch 27

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1-SEP-2017.

The following have access to data associated with this certificate:

IAN TALBOT

WILLIAM WENGZYNOWSK

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41a	High Grade Aqua Regia ICP-AES	ICP-AES

To: **ARCUS DEVELOPMENT GROUP**
ATTN: IAN TALBOT
510 WEST HASTINGS ST.
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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 WH17186526

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W636437		2.28	<0.001	<1	1.06	20	90	<5	<10	3.96	<5	11	43	8	2.25	<50
W636438		2.34	<0.001	2	0.28	10	<50	<5	10	0.30	<5	<5	13	8	0.79	<50
W636439		2.60	<0.001	1	0.70	<10	<50	<5	10	0.38	<5	7	28	<5	1.46	<50
W636440		2.64	<0.001	1	0.35	20	<50	<5	10	0.25	<5	<5	14	9	0.83	<50
W636441		2.64	<0.001	1	0.74	<10	<50	<5	10	1.24	<5	7	38	<5	1.53	<50
W636442		2.94	<0.001	1	0.49	20	50	<5	10	1.36	<5	<5	26	5	1.17	<50
W636443		2.72	<0.001	2	0.64	10	60	<5	<10	1.69	<5	<5	19	7	0.76	<50
W636444		2.82	<0.001	1	0.50	10	<50	<5	10	0.30	<5	<5	17	5	0.77	<50
W636445		2.98	<0.001	1	0.41	10	<50	<5	<10	0.38	<5	5	12	<5	0.57	<50
W636446		2.12	<0.001	1	0.63	10	90	<5	10	0.63	<5	<5	11	<5	0.54	<50
W636447		2.38	<0.001	1	1.76	20	150	<5	10	2.86	<5	8	83	14	2.65	<50
W636448		2.66	<0.001	1	2.17	30	280	<5	<10	3.06	<5	12	58	<5	3.16	<50
W636449		0.32	1.150	2	0.58	260	110	<5	10	17.95	<5	6	27	80	2.45	<50
W636450		3.02	<0.001	<1	0.97	10	90	<5	<10	3.12	<5	7	23	<5	2.24	<50
W636451		2.54	<0.001	1	0.55	10	<50	<5	10	0.98	<5	<5	11	6	1.27	<50
W636452		2.12	<0.001	1	2.16	<10	210	<5	<10	3.61	<5	18	147	12	3.39	<50
W636453		2.90	<0.001	1	2.43	10	380	<5	<10	4.25	<5	22	158	5	3.86	<50
W636454		2.16	0.001	1	0.77	20	100	<5	10	0.23	<5	<5	19	12	1.41	<50
W636455		2.28	<0.001	1	0.70	20	90	<5	<10	0.23	<5	<5	15	10	1.25	<50
W636456		2.16	<0.001	1	0.84	10	90	<5	<10	0.35	<5	7	24	17	1.51	<50
W636457		2.86	<0.001	1	2.14	10	160	<5	<10	2.69	<5	15	105	15	2.83	<50
W636458		2.38	<0.001	<1	1.63	20	160	<5	<10	1.70	<5	8	80	9	2.54	<50
W636459		2.74	<0.001	1	2.47	<10	420	<5	10	2.00	<5	17	125	7	3.29	<50
W636460		2.02	<0.001	<1	1.98	10	320	<5	10	2.05	<5	15	94	18	2.54	<50
W636461		2.12	0.002	1	2.70	<10	300	<5	10	3.75	<5	21	189	11	3.46	<50
W636462		2.64	<0.001	1	2.08	10	190	<5	<10	3.54	<5	14	110	6	3.15	<50
W636463		2.34	0.012	1	1.45	<10	320	<5	20	2.09	<5	5	34	<5	1.95	<50
W636464		2.86	<0.001	1	0.91	10	140	<5	<10	1.94	<5	6	23	7	1.40	<50
W636465		2.62	<0.001	2	0.35	10	<50	<5	10	0.05	<5	<5	9	6	0.65	<50
W636466		2.36	0.001	<1	0.05	10	<50	<5	<10	21.6	<5	<5	<5	<5	0.47	<50
W636467		2.88	<0.001	1	0.35	<10	<50	<5	<10	0.18	<5	<5	8	6	0.49	<50
W636468		2.78	<0.001	1	0.34	10	<50	<5	<10	0.10	<5	<5	10	<5	0.44	<50
W636469		2.84	<0.001	2	0.76	10	110	<5	<10	0.47	<5	5	21	<5	1.12	<50
W636470		2.54	<0.001	2	2.77	<10	500	<5	10	3.55	<5	25	100	27	3.98	<50
W636471		2.52	<0.001	2	0.98	<10	110	<5	10	1.90	<5	<5	15	5	1.60	<50
W636472		2.62	<0.001	1	2.29	10	540	<5	<10	1.10	<5	15	34	13	3.31	<50



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CERTIFICATE OF ANALYSIS WH17186526

Sample Description	Method Analyte Units LOR	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
		ppm 5	% 0.05	ppm 50	% 0.05	ppm 30	ppm 5	% 0.05	ppm 5	ppm 50	ppm 10	% 0.05	ppm 10	ppm 5	ppm 5	ppm 100
W636437		<5	0.75	<50	0.91	500	<5	<0.05	18	180	<10	<0.05	10	6	32	<100
W636438		<5	0.13	<50	0.05	80	<5	0.07	5	<50	<10	<0.05	<10	<5	10	<100
W636439		<5	0.48	<50	0.29	130	5	<0.05	6	110	<10	0.11	10	<5	10	<100
W636440		<5	0.16	<50	<0.05	80	<5	0.08	<5	<50	<10	<0.05	10	<5	13	<100
W636441		<5	0.51	<50	0.45	230	<5	0.05	18	300	<10	0.14	<10	<5	24	<100
W636442		<5	0.27	<50	0.26	230	<5	0.07	<5	180	20	<0.05	<10	<5	30	<100
W636443		<5	0.41	<50	0.28	170	<5	0.06	<5	80	<10	<0.05	<10	<5	49	<100
W636444		<5	0.24	<50	<0.05	130	<5	0.07	<5	<50	<10	<0.05	<10	<5	13	<100
W636445		<5	0.17	<50	<0.05	80	<5	0.09	<5	<50	<10	<0.05	<10	<5	9	<100
W636446		<5	0.39	<50	0.06	100	<5	0.06	<5	<50	<10	<0.05	10	<5	18	<100
W636447		<5	1.28	<50	1.53	400	<5	0.05	37	210	10	0.06	<10	14	44	<100
W636448		<5	1.54	<50	1.67	590	<5	0.05	22	260	10	0.06	<10	14	41	<100
W636449		<5	0.21	<50	3.15	1710	71	<0.05	74	1050	20	0.91	20	<5	177	<100
W636450		<5	0.51	<50	0.89	440	<5	0.05	5	180	<10	0.06	<10	7	48	<100
W636451		<5	0.18	<50	0.14	150	<5	0.07	<5	130	<10	<0.05	<10	<5	26	<100
W636452		<5	1.25	<50	1.93	720	<5	0.05	59	640	10	0.10	<10	15	75	<100
W636453		<5	1.34	<50	2.94	880	<5	0.13	74	410	10	0.10	<10	13	92	<100
W636454		<5	0.21	<50	0.21	230	<5	<0.05	9	270	<10	<0.05	<10	<5	13	<100
W636455		<5	0.20	<50	0.18	210	<5	0.05	9	250	<10	<0.05	<10	<5	22	<100
W636456		<5	0.25	<50	0.35	270	<5	0.05	19	310	10	<0.05	10	<5	17	<100
W636457		<5	0.73	<50	1.98	600	<5	0.21	38	430	<10	<0.05	10	13	34	<100
W636458		<5	0.70	<50	1.32	410	5	0.09	37	250	10	<0.05	<10	10	22	<100
W636459		<5	1.62	<50	2.25	590	<5	0.08	53	350	<10	<0.05	<10	13	18	<100
W636460		<5	1.14	<50	1.47	640	<5	<0.05	42	450	<10	<0.05	<10	7	20	<100
W636461		<5	1.27	<50	2.65	820	<5	0.11	90	560	<10	<0.05	10	11	44	<100
W636462		<5	0.82	<50	1.97	620	<5	0.15	45	600	<10	0.06	10	11	47	<100
W636463		<5	1.04	<50	1.02	430	<5	0.05	18	380	10	<0.05	<10	5	40	<100
W636464		<5	0.57	<50	0.44	330	<5	<0.05	9	310	10	<0.05	<10	<5	20	<100
W636465		<5	0.15	<50	<0.05	50	<5	0.13	<5	<50	<10	<0.05	<10	<5	10	<100
W636466		5	<0.05	<50	12.15	220	<5	<0.05	<5	100	<10	<0.05	<10	<5	33	<100
W636467		<5	0.14	<50	0.06	60	<5	0.14	<5	<50	20	<0.05	<10	<5	11	<100
W636468		<5	0.13	<50	0.07	70	<5	0.12	<5	<50	<10	<0.05	10	<5	5	<100
W636469		<5	0.34	<50	0.50	180	<5	0.13	5	90	<10	<0.05	<10	<5	13	<100
W636470		<5	1.75	<50	2.52	720	<5	0.05	50	870	<10	0.05	10	9	66	<100
W636471		<5	0.52	<50	0.72	260	<5	0.09	5	340	10	<0.05	<10	5	27	<100
W636472		<5	1.69	<50	1.71	790	<5	0.06	10	960	<10	<0.05	<10	7	41	<100



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CERTIFICATE OF ANALYSIS WH17186526

Sample Description	Method Analyte Units LOR	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
		Ti	Ti	U	V	W	Zn
		% 0.05	ppm 50	ppm 50	ppm 5	ppm 50	ppm 10
W636437		0.05	<50	<50	32	<50	30
W636438		<0.05	<50	<50	<5	<50	10
W636439		<0.05	<50	<50	10	<50	20
W636440		<0.05	<50	<50	<5	<50	10
W636441		<0.05	<50	<50	19	<50	20
W636442		<0.05	<50	<50	11	<50	20
W636443		<0.05	<50	<50	9	<50	10
W636444		<0.05	<50	<50	<5	<50	10
W636445		<0.05	<50	<50	<5	<50	<10
W636446		<0.05	<50	<50	<5	<50	<10
W636447		0.11	<50	<50	84	<50	40
W636448		0.16	<50	<50	105	<50	50
W636449		<0.05	<50	<50	171	<50	420
W636450		0.05	<50	<50	46	<50	30
W636451		<0.05	<50	<50	6	<50	20
W636452		0.09	<50	<50	76	<50	40
W636453		0.22	<50	<50	116	<50	40
W636454		0.06	<50	<50	25	<50	20
W636455		0.05	<50	<50	19	<50	20
W636456		0.07	<50	<50	26	<50	30
W636457		0.31	<50	<50	99	<50	30
W636458		0.13	<50	<50	53	<50	30
W636459		0.24	<50	<50	92	<50	30
W636460		0.14	<50	<50	50	<50	30
W636461		0.26	<50	<50	101	<50	40
W636462		0.38	<50	<50	109	<50	30
W636463		0.10	<50	<50	39	<50	30
W636464		<0.05	<50	<50	21	<50	20
W636465		<0.05	<50	<50	<5	<50	10
W636466		<0.05	<50	<50	<5	<50	20
W636467		<0.05	<50	<50	<5	<50	<10
W636468		<0.05	<50	<50	<5	<50	<10
W636469		0.09	<50	<50	27	<50	10
W636470		0.30	<50	<50	93	<50	60
W636471		0.06	<50	<50	29	<50	10
W636472		0.20	<50	<50	60	<50	50



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CERTIFICATE OF ANALYSIS WH17186526

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

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

Au-ICP21

BAG-01

CRU-31

LOG-22

LOG-23

ME-ICP41a

PUL-32

PUL-QC

SPL-21

WEI-21