



ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **GOLDCORP KAMINAK LTD**
SUITE 3400 - 666 BURRARD STREET
VANCOUVER BC V6C 2X8

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Plus Appendix Pages
Finalized Date: 9-JUL-2018
Account: KAMGOL

CERTIFICATE WH18150069

Project: Coffee

P.O. No.: KGC-18-1268

This report is for 37 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 25-JUN-2018.

The following have access to data associated with this certificate:

THOMAS BISSIG
IAN HERBRANSON
TIM SMITH

TOM BOKENFOHR
ERIK SCHEEL
MATT ZAGO

CASEY CARDINAL
JAMES SCOTT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA13	Au by cyanide leach and AAS	AAS

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 WH18150069

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	Au-AA13 Au ppm 0.03	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
X842219		1.86	<0.001		<0.2	1.82	5	<10	270	<0.5	<2	2.82	<0.5	19	134	4
X842220		0.06	0.021		<0.2	1.50	3	<10	120	<0.5	<2	0.90	<0.5	9	10	88
X842221		1.65	0.005		<0.2	1.97	16	<10	320	0.5	<2	3.81	<0.5	24	124	8
X842222		1.72	0.005		<0.2	2.37	18	<10	430	0.5	<2	1.85	<0.5	28	37	6
X842223		1.83	<0.001		<0.2	2.23	17	<10	300	<0.5	<2	2.38	<0.5	27	53	11
X842224		1.62	<0.001		<0.2	1.52	8	<10	130	0.6	<2	2.04	<0.5	19	179	95
X842225		1.85	0.005		<0.2	2.63	14	<10	840	0.6	<2	1.62	<0.5	16	82	11
X842226		1.79	<0.001		<0.2	3.09	24	<10	1050	0.8	<2	1.77	<0.5	23	83	10
X842227		2.39	<0.001		<0.2	1.38	16	<10	480	<0.5	<2	1.71	<0.5	14	26	7
X842228		1.51	1.445	1.30	0.6	1.19	4250	10	550	1.9	<2	3.45	<0.5	25	68	19
X842229		1.66	0.005		<0.2	1.09	55	<10	270	0.7	<2	2.11	<0.5	8	26	6
X842230		0.06	0.759	0.67	0.2	2.82	5	10	100	<0.5	<2	2.11	<0.5	15	105	174
X842231		1.85	0.008		<0.2	0.87	57	<10	80	0.5	<2	0.41	<0.5	8	12	4
X842232		1.52	0.010		<0.2	1.59	47	<10	170	0.6	2	0.29	<0.5	9	39	8
X842233		2.24	0.015		<0.2	1.12	43	<10	140	0.5	<2	0.29	<0.5	7	28	22
X842234		2.09	0.011		<0.2	0.72	46	<10	120	<0.5	<2	0.29	<0.5	5	15	22
X842235		1.89	0.004		<0.2	1.12	45	<10	980	0.6	3	1.04	<0.5	10	16	30
X842236		1.82	0.002		<0.2	0.88	20	<10	80	<0.5	<2	0.60	<0.5	4	14	8
X842237		1.08	0.002		<0.2	1.26	15	<10	60	1.2	<2	1.53	<0.5	12	25	8
X842238		1.35	0.006		<0.2	0.64	15	<10	210	0.7	<2	1.90	<0.5	6	16	5
X842239		1.46	0.002		<0.2	0.96	12	<10	110	0.6	<2	1.14	<0.5	5	13	9
X842240		0.06	0.001		<0.2	1.48	<2	<10	120	<0.5	<2	0.84	<0.5	8	9	92
X842241		0.85	<0.001		<0.2	0.57	6	<10	190	0.6	2	0.78	<0.5	4	14	7
X842242		1.17	<0.001		<0.2	0.36	6	<10	120	<0.5	<2	1.14	<0.5	5	12	10
X842243		1.13	<0.001		<0.2	1.23	7	<10	170	0.6	3	1.78	<0.5	11	49	9
X842244		1.27	0.004		<0.2	0.61	32	<10	70	<0.5	<2	0.42	<0.5	4	12	9
X842245		1.57	0.001		<0.2	0.88	17	<10	110	<0.5	<2	0.58	<0.5	5	14	8
X842246		1.34	0.004		<0.2	1.75	31	<10	290	0.6	2	1.33	<0.5	12	62	11
X842247		1.03	0.004		<0.2	1.43	24	<10	210	0.5	<2	0.61	<0.5	10	16	13
X842248		1.12	0.003		<0.2	2.60	22	<10	300	1.1	<2	1.65	<0.5	20	66	21
X842249		0.74	0.007		<0.2	1.28	27	<10	130	<0.5	<2	0.71	<0.5	9	10	12
X842250		0.06	6.21	NSS	0.9	2.43	513	10	110	<0.5	<2	2.00	<0.5	43	787	100
X842251		1.19	0.003		<0.2	0.74	9	<10	100	<0.5	2	1.20	<0.5	8	12	15
X842252		1.34	0.003		<0.2	0.61	23	<10	90	<0.5	2	0.43	<0.5	6	10	30
X842253		1.57	0.015		0.2	0.51	42	<10	140	<0.5	2	0.92	<0.5	5	8	14
X842254		1.76	1.415	1.26	0.4	1.05	4300	10	540	1.8	2	3.18	0.5	26	60	23
X842255		1.36	2.13	0.23	0.4	0.53	2020	10	130	1.1	2	2.41	<0.5	7	5	4



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Sample Description	Method Analyte Units LOD	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
X842219		2.62	10	<1	0.69	<10	2.01	441	1	0.06	35	590	3	0.26	<2	4
X842220		2.78	<10	<1	0.20	10	0.71	375	2	0.16	2	620	2	0.01	<2	2
X842221		2.79	10	<1	0.84	<10	2.18	779	1	0.06	80	810	6	0.15	<2	3
X842222		3.87	10	<1	1.11	10	2.29	539	1	0.07	19	2160	4	0.32	<2	3
X842223		3.37	10	<1	0.91	10	2.24	574	2	0.07	28	1870	3	0.42	<2	4
X842224		2.51	<10	<1	0.42	10	1.72	421	1	0.06	35	690	7	0.32	<2	4
X842225		3.88	10	<1	1.57	10	2.53	539	2	0.05	17	1690	6	0.10	<2	4
X842226		4.47	10	<1	2.05	10	3.00	647	1	0.04	14	1280	<2	0.10	2	7
X842227		2.44	<10	<1	0.73	50	1.21	372	2	0.04	9	650	3	0.10	5	4
X842228		4.95	<10	<1	0.56	30	1.68	744	2	<0.01	156	1210	20	0.46	164	12
X842229		2.01	<10	<1	0.61	40	1.26	347	2	0.02	13	480	4	0.10	4	3
X842230		2.67	<10	<1	0.19	10	1.49	466	3	0.30	150	390	9	0.07	<2	3
X842231		1.64	<10	<1	0.52	60	0.54	217	2	0.03	5	440	3	0.01	3	2
X842232		2.24	10	<1	0.95	60	1.48	300	1	0.04	10	510	5	0.01	3	4
X842233		2.08	<10	<1	0.65	60	0.83	398	2	0.03	9	470	16	0.01	2	3
X842234		1.67	<10	<1	0.41	50	0.41	328	2	0.02	5	350	7	0.01	4	2
X842235		2.39	<10	<1	0.73	60	0.82	382	2	0.02	5	550	4	0.20	4	3
X842236		1.81	<10	<1	0.52	60	0.57	226	2	0.04	5	400	2	0.08	<2	2
X842237		2.38	<10	<1	0.98	30	1.32	356	3	0.03	6	460	3	0.28	3	4
X842238		1.78	<10	<1	0.39	50	0.91	269	4	0.02	6	350	5	0.16	<2	3
X842239		1.93	<10	<1	0.75	60	0.79	236	3	0.04	5	420	3	0.16	<2	3
X842240		2.67	<10	<1	0.20	10	0.71	356	2	0.15	5	620	3	0.01	<2	2
X842241		1.57	<10	<1	0.39	50	0.56	208	2	0.05	5	360	3	0.15	<2	3
X842242		1.70	<10	<1	0.19	60	0.64	217	3	0.05	4	420	4	0.14	<2	2
X842243		2.74	10	<1	0.77	50	1.26	355	3	0.04	10	550	5	0.28	<2	5
X842244		1.51	<10	<1	0.27	60	0.36	166	2	0.04	4	380	4	0.03	2	1
X842245		1.81	<10	<1	0.52	50	0.54	208	2	0.03	6	490	4	0.03	<2	2
X842246		3.06	10	<1	1.20	50	1.47	442	2	0.04	21	830	4	0.06	<2	4
X842247		2.73	10	<1	0.97	40	1.02	289	3	0.04	6	810	4	0.22	<2	2
X842248		3.78	10	<1	1.85	30	2.46	720	1	0.04	24	690	3	<0.01	<2	5
X842249		2.49	<10	<1	0.89	40	0.86	400	1	0.04	4	660	5	0.02	<2	3
X842250		7.25	<10	<1	0.59	10	2.68	1230	5	0.06	470	460	20	0.95	<2	6
X842251		2.09	<10	<1	0.38	60	0.56	308	7	0.04	5	440	6	0.29	3	2
X842252		1.64	<10	<1	0.43	50	0.41	206	6	0.03	4	320	14	0.33	4	1
X842253		1.54	<10	<1	0.31	50	0.45	207	3	0.03	3	250	12	0.36	2	1
X842254		4.68	<10	<1	0.50	20	1.48	700	2	0.01	155	1140	14	0.51	170	11
X842255		1.62	<10	<1	0.25	20	0.90	364	1	0.01	6	380	11	0.76	10	2



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Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10
X842219		49	<20	0.13	<10	<10	44	<10
X842220		70	<20	0.13	<10	<10	96	<10
X842221		67	<20	0.16	<10	<10	40	<10
X842222		60	<20	0.19	<10	<10	82	<10
X842223		64	<20	0.15	<10	<10	74	<10
X842224		52	<20	0.12	<10	<10	39	<10
X842225		61	<20	0.27	<10	<10	85	<10
X842226		52	<20	0.29	<10	<10	126	<10
X842227		51	20	0.09	<10	<10	41	<10
X842228		156	<20	0.02	<10	10	54	<10
X842229		41	20	0.05	<10	<10	22	<10
X842230		81	<20	0.10	<10	<10	70	<10
X842231		18	30	0.05	<10	<10	10	<10
X842232		16	20	0.09	<10	<10	26	<10
X842233		22	30	0.08	<10	<10	20	<10
X842234		29	30	0.04	<10	<10	10	<10
X842235		72	30	0.09	<10	<10	29	<10
X842236		38	30	0.07	<10	<10	10	<10
X842237		41	20	0.11	<10	10	44	<10
X842238		39	30	0.03	<10	10	14	<10
X842239		22	30	0.08	<10	<10	14	<10
X842240		66	<20	0.12	<10	<10	95	<10
X842241		33	30	0.03	<10	<10	15	<10
X842242		32	20	0.01	<10	<10	10	<10
X842243		58	20	0.07	<10	<10	38	<10
X842244		20	30	0.03	<10	<10	7	<10
X842245		31	20	0.07	<10	<10	13	<10
X842246		40	20	0.16	<10	<10	46	<10
X842247		41	20	0.18	<10	<10	23	<10
X842248		51	<20	0.26	<10	<10	75	<10
X842249		27	20	0.12	<10	<10	46	<10
X842250		68	<20	0.09	<10	<10	79	<10
X842251		37	30	0.04	<10	<10	20	<10
X842252		16	30	0.04	<10	<10	7	<10
X842253		22	30	0.02	<10	<10	4	<10
X842254		146	<20	0.02	<10	<10	48	<10
X842255		114	20	<0.01	<10	<10	6	<10



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CERTIFICATE OF ANALYSIS WH18150069

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
BAG-01 CRU-31 CRU-QC LOG-21
LOG-23 PUL-32m PUL-QC SPL-21
WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA13 Au-ICP21 ME-ICP41