



ALS Canada Ltd.

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

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Plus Appendix Pages
Finalized Date: 3-MAY-2018
Account: KAMGOL

CERTIFICATE WH18092039

Project: Coffee

P.O. No.: KGC-18-1105

This report is for 42 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 23-APR-2018.

The following have access to data associated with this certificate:

THOMAS BISSIG
ROBERT PENCZAK
TIM SMITH

TOM BOKENFOHR
ERIK SCHEEL

IAN HERBRANSON
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
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

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

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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 WH18092039

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	Au-AA13 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.001	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
X834991		2.17	0.018		<0.2	2.74	95	<10	620	0.8	<2	0.77	<0.5	29	113	32
X834992		1.97	0.030		<0.2	0.88	563	<10	160	1.2	<2	0.19	<0.5	13	45	14
X834993		2.13	0.006		<0.2	0.36	135	<10	60	0.7	<2	0.05	<0.5	1	7	3
X834994		3.02	0.003		<0.2	0.27	32	<10	50	0.5	<2	0.04	<0.5	1	8	4
X834995		2.45	<0.001		<0.2	0.31	11	<10	60	0.5	<2	0.08	<0.5	1	9	4
X834996		2.86	<0.001		<0.2	1.48	9	<10	840	1.3	<2	0.80	<0.5	15	39	13
X834997		3.19	<0.001		<0.2	0.42	21	<10	180	0.6	<2	0.46	<0.5	3	13	5
X834998		3.06	<0.001		<0.2	0.27	12	<10	30	<0.5	<2	0.05	<0.5	1	10	2
X834999		3.02	<0.001		<0.2	0.31	25	<10	40	0.5	4	0.07	<0.5	1	10	3
X835000		0.06	0.008		<0.2	1.61	<2	<10	130	<0.5	<2	0.91	<0.5	9	10	95
X835001		2.37	0.005		<0.2	0.63	417	<10	150	1.2	<2	0.10	<0.5	9	34	9
X835002		2.59	0.009		<0.2	0.30	254	<10	50	0.5	<2	0.03	<0.5	1	11	4
X835003		2.90	0.003		<0.2	0.40	172	<10	60	0.6	<2	0.04	<0.5	2	11	3
X835004		2.70	<0.001		<0.2	0.56	175	<10	160	1.1	<2	0.06	<0.5	4	17	3
X835005		3.10	<0.001		<0.2	0.35	45	<10	120	0.7	<2	0.05	<0.5	1	13	2
X835006		2.65	<0.001		<0.2	0.40	59	<10	70	0.7	<2	0.03	<0.5	1	7	2
X835007		2.68	1.820	1.87	<0.2	0.38	470	10	140	1.0	<2	0.08	<0.5	3	14	4
X835008		3.08	2.15	2.14	<0.2	0.35	974	10	270	1.2	<2	0.10	<0.5	4	6	2
X835009		2.93	0.097		<0.2	0.33	501	<10	460	0.9	<2	0.05	<0.5	1	8	2
X835010		0.06	1.055	1.02	0.3	3.00	32	<10	120	<0.5	<2	2.01	<0.5	15	115	116
X835011		2.45	0.125		<0.2	0.38	108	<10	380	0.7	<2	0.03	<0.5	1	7	5
X835012		2.71	0.025		<0.2	0.27	31	<10	730	0.6	<2	0.37	<0.5	1	8	5
X835013		2.32	0.019		<0.2	0.36	31	<10	100	0.8	<2	0.69	<0.5	1	7	3
X835014		3.32	0.001		<0.2	0.59	14	<10	130	0.7	2	0.91	<0.5	4	15	5
X835015		3.84	0.001		<0.2	1.40	4	<10	170	1.0	<2	1.65	<0.5	13	30	10
X835016		4.12	<0.001		<0.2	1.23	17	<10	90	1.7	2	1.79	<0.5	11	61	20
X835017		4.42	<0.001		<0.2	0.18	4	<10	20	<0.5	<2	0.54	<0.5	1	11	7
X835018		3.14	<0.001		<0.2	0.40	8	<10	20	0.8	<2	0.97	<0.5	3	19	9
X835019		2.80	<0.001		<0.2	0.20	8	<10	10	<0.5	2	0.34	<0.5	1	11	12
X835020		0.06	0.005		<0.2	1.49	3	<10	130	<0.5	<2	0.82	<0.5	8	10	93
X835021		4.17	<0.001		<0.2	0.13	4	<10	20	<0.5	<2	0.53	<0.5	1	17	9
X835022		2.61	<0.001		<0.2	0.20	8	<10	1660	0.6	<2	0.59	<0.5	1	13	6
X835023		3.48	<0.001		<0.2	0.26	6	<10	210	0.5	<2	0.40	<0.5	1	11	4
X835024		3.70	<0.001		<0.2	0.23	26	<10	520	<0.5	<2	0.28	<0.5	1	13	7
X835025		3.53	<0.001		<0.2	0.23	13	<10	160	<0.5	<2	0.04	<0.5	1	11	4
X835026		3.50	<0.001		<0.2	0.31	53	<10	120	0.5	<2	0.17	<0.5	1	10	4
X835027		3.41	<0.001		<0.2	0.18	3	<10	1050	<0.5	<2	0.65	<0.5	1	14	6
X835028		3.05	<0.001		<0.2	0.30	11	<10	790	0.5	<2	0.49	<0.5	3	25	8
X835029		2.97	<0.001		<0.2	0.34	14	<10	700	0.6	<2	0.46	<0.5	3	15	8
X835030		0.06	9.43	5.00	5.6	1.86	39	<10	180	<0.5	<2	1.06	3.1	15	32	1800



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CERTIFICATE OF ANALYSIS WH18092039

Sample Description	Method Analyte Units LOR	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
X834991		5.24	10	<1	0.66	20	2.07	1190	1	0.03	168	2040	6	<0.01	<2	13
X834992		2.30	<10	1	0.27	30	0.29	544	2	<0.01	80	680	12	<0.01	16	5
X834993		0.74	<10	<1	0.13	30	0.03	223	2	0.03	4	140	10	<0.01	3	<1
X834994		0.55	<10	<1	0.14	20	0.03	174	2	0.03	2	90	12	<0.01	<2	<1
X834995		0.72	<10	<1	0.17	20	0.08	193	2	0.05	2	130	10	<0.01	<2	<1
X834996		2.58	<10	<1	0.98	20	1.19	544	2	0.04	15	780	7	0.01	<2	4
X834997		1.10	<10	<1	0.25	20	0.19	258	2	0.03	4	170	13	<0.01	3	2
X834998		0.68	<10	<1	0.13	20	0.05	166	2	0.03	3	80	10	<0.01	<2	<1
X834999		0.70	<10	<1	0.15	20	0.04	155	2	0.02	3	80	12	<0.01	2	<1
X835000		2.76	<10	<1	0.21	10	0.74	385	2	0.17	4	650	3	0.01	<2	2
X835001		1.73	<10	<1	0.23	30	0.13	633	1	<0.01	30	420	11	<0.01	17	4
X835002		0.89	<10	<1	0.10	30	0.01	204	2	<0.01	5	130	9	<0.01	11	1
X835003		0.84	<10	<1	0.11	20	0.02	218	2	0.01	5	140	11	<0.01	13	1
X835004		1.13	<10	<1	0.19	20	0.14	756	1	0.01	5	220	11	<0.01	7	2
X835005		0.83	<10	<1	0.18	20	0.08	200	2	0.02	3	140	10	<0.01	<2	1
X835006		0.55	<10	<1	0.14	30	0.02	200	2	0.01	3	120	8	<0.01	<2	<1
X835007		1.00	<10	1	0.20	20	0.04	276	1	<0.01	12	150	16	<0.01	11	1
X835008		2.00	<10	1	0.22	30	0.03	650	2	<0.01	7	240	24	<0.01	30	1
X835009		1.11	<10	1	0.15	20	0.02	1005	2	<0.01	5	130	31	<0.01	28	<1
X835010		3.00	10	1	0.22	10	1.35	410	4	0.35	129	370	12	0.05	<2	3
X835011		0.81	<10	<1	0.14	30	0.02	232	1	<0.01	3	100	14	<0.01	3	<1
X835012		0.74	<10	<1	0.15	30	0.02	160	3	0.02	3	80	8	0.02	<2	<1
X835013		0.65	<10	<1	0.14	20	0.02	148	2	0.01	3	80	9	<0.01	<2	<1
X835014		1.46	<10	<1	0.22	20	0.33	369	3	0.02	3	300	8	<0.01	<2	2
X835015		2.47	10	<1	0.83	20	1.21	559	3	0.03	13	630	7	0.01	<2	3
X835016		2.46	<10	<1	0.87	20	1.00	427	4	0.03	19	400	11	0.02	2	9
X835017		0.76	<10	<1	0.14	20	0.08	148	5	0.03	4	140	7	0.01	<2	<1
X835018		1.29	<10	<1	0.21	20	0.26	248	3	0.03	5	170	9	0.01	<2	2
X835019		0.84	<10	<1	0.10	20	0.05	135	9	0.03	3	50	9	0.01	2	<1
X835020		2.68	<10	<1	0.20	10	0.71	371	2	0.15	5	640	3	<0.01	<2	2
X835021		0.82	<10	<1	0.08	20	0.09	160	6	0.03	4	40	5	0.02	<2	<1
X835022		0.88	<10	<1	0.14	20	0.08	153	4	0.02	2	70	11	0.04	<2	1
X835023		0.74	<10	<1	0.08	20	0.09	118	3	0.04	2	40	6	<0.01	<2	1
X835024		0.84	<10	<1	0.11	30	0.07	138	3	0.03	3	90	7	0.03	<2	1
X835025		0.67	<10	<1	0.11	20	0.04	94	2	0.03	3	80	5	<0.01	<2	<1
X835026		0.80	<10	<1	0.14	20	0.06	211	2	0.02	2	120	4	<0.01	4	<1
X835027		0.76	<10	<1	0.13	30	0.08	152	3	0.03	2	380	5	0.07	<2	<1
X835028		1.03	<10	<1	0.22	20	0.24	318	3	0.02	7	110	11	0.03	<2	1
X835029		1.18	<10	<1	0.22	20	0.17	236	3	0.03	5	180	8	0.02	<2	1
X835030		3.86	10	1	0.24	10	0.93	618	25	0.21	171	570	320	0.44	3	3



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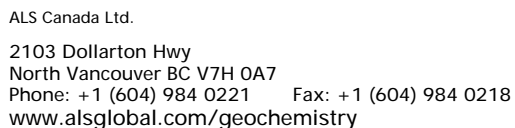
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CERTIFICATE OF ANALYSIS WH18092039

Sample Description	Method Analyte Units LOR	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
X834991		45	<20	0.08	<10	<10	115	<10
X834992		18	30	0.02	<10	10	34	<10
X834993		11	50	<0.01	<10	<10	4	<10
X834994		7	40	<0.01	<10	<10	1	<10
X834995		9	40	0.01	<10	<10	3	<10
X834996		35	20	0.14	<10	<10	48	<10
X834997		12	30	0.01	<10	<10	12	<10
X834998		6	40	<0.01	<10	<10	2	<10
X834999		6	40	<0.01	<10	<10	2	<10
X835000		75	<20	0.13	<10	<10	101	<10
X835001		12	40	0.01	<10	10	25	<10
X835002		9	40	<0.01	<10	<10	8	<10
X835003		6	40	<0.01	<10	<10	7	<10
X835004		7	40	0.01	<10	<10	13	<10
X835005		5	40	0.01	<10	<10	6	<10
X835006		6	40	<0.01	<10	<10	2	<10
X835007		13	40	<0.01	<10	10	9	<10
X835008		20	40	<0.01	<10	20	13	<10
X835009		27	40	<0.01	<10	10	8	<10
X835010		94	<20	0.10	<10	<10	73	<10
X835011		13	40	<0.01	<10	<10	2	<10
X835012		21	40	<0.01	<10	<10	2	<10
X835013		25	40	<0.01	<10	<10	1	<10
X835014		37	30	0.02	<10	<10	13	<10
X835015		70	20	0.15	<10	<10	45	<10
X835016		52	20	0.06	<10	<10	55	<10
X835017		19	30	<0.01	<10	<10	3	<10
X835018		31	30	0.01	<10	<10	14	<10
X835019		12	40	<0.01	<10	<10	2	<10
X835020		68	<20	0.12	<10	<10	96	10
X835021		16	20	<0.01	<10	<10	2	10
X835022		81	30	0.01	<10	<10	5	<10
X835023		25	40	<0.01	<10	<10	3	<10
X835024		37	40	0.01	<10	<10	3	<10
X835025		8	40	<0.01	<10	<10	1	<10
X835026		13	40	<0.01	<10	<10	2	<10
X835027		41	30	<0.01	<10	<10	2	10
X835028		41	20	0.02	<10	<10	9	10
X835029		48	30	0.02	<10	<10	11	10
X835030		83	<20	0.14	<10	<10	97	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
X835031		4.51	<10	1	0.32	20	0.24	1220	2	<0.01	81	520	11	<0.01	35
X835032		2.71	10	<1	0.93	20	1.40	607	2	0.03	14	720	6	<0.01	<2



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		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
X835031		19	20	0.01	<10	50	64	<10	47
X835032		75	20	0.17	<10	<10	50	<10	47



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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.		
	CRU-31	CRU-QC	LOG-21
	PUL-32m	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA13	Au-ICP21	ME-ICP41