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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: 2-JUN-2018  
Account: KAMGOL

**CERTIFICATE WH18115136**

Project: Coffee

P.O. No.: KGC-18-1172

This report is for 43 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 17-MAY-2018.

The following have access to data associated with this certificate:

THOMAS BISSIG  
ERIK SCHEEL  
MATT ZAGO

TOM BOKENFOHR  
JAMES SCOTT

IAN HERBRANSON  
TIM SMITH

**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**

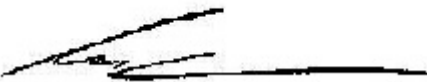
ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA13	Au by cyanide leach and AAS	AAS
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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**ATTN: MATT ZAGO**  
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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 WH18115136**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	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
X837985		0.95	0.091			<0.2	0.59	85	<10	90	<0.5	<2	0.15	<0.5	5	15
X837986		2.54	0.036			<0.2	0.56	54	<10	80	<0.5	<2	0.13	<0.5	5	16
X837987		2.77	0.055			<0.2	0.76	154	<10	110	<0.5	<2	0.17	<0.5	5	16
X837988		2.87	0.037			<0.2	0.66	181	<10	120	<0.5	<2	0.10	<0.5	5	12
X837989		1.59	0.027			<0.2	0.61	195	<10	140	<0.5	<2	0.14	<0.5	5	11
X837990		0.06	3.00		2.78	0.7	2.43	160	<10	170	<0.5	<2	1.74	<0.5	26	420
X837991		0.73	0.009			<0.2	0.64	339	<10	100	<0.5	<2	0.13	<0.5	6	8
X837992		1.77	0.053			<0.2	0.52	438	<10	90	<0.5	<2	0.09	<0.5	3	10
X837993		2.00	0.309		0.34	<0.2	0.67	725	<10	100	0.6	<2	0.12	<0.5	4	13
X837994		1.51	0.400		0.40	<0.2	0.46	1135	<10	120	0.8	<2	0.11	<0.5	7	6
X837995		1.65	0.119			<0.2	0.51	634	<10	80	0.5	<2	0.11	<0.5	5	7
X837996		1.96	0.027			<0.2	0.29	291	<10	50	<0.5	<2	0.06	<0.5	4	5
X837997		2.05	0.016			<0.2	0.60	201	<10	70	<0.5	<2	0.15	<0.5	6	12
X837998		1.82	0.088			<0.2	0.50	963	<10	60	0.6	<2	0.12	<0.5	6	7
X837999		2.09	0.049			<0.2	1.09	602	<10	80	0.8	<2	0.21	<0.5	13	44
X838000		0.06	0.009			<0.2	1.51	3	<10	120	<0.5	<2	0.86	<0.5	9	9
X838001		1.92	0.015			<0.2	0.37	423	<10	50	0.5	<2	0.09	<0.5	5	7
X838002		2.24	0.011			<0.2	0.86	173	<10	100	0.8	<2	0.18	<0.5	9	13
X838003		1.96	0.422		0.44	<0.2	0.60	769	<10	90	0.7	<2	0.15	<0.5	5	10
X838004		1.90	0.021			<0.2	0.89	191	<10	100	0.6	<2	0.18	<0.5	7	34
X838005		1.54	0.131			<0.2	2.60	575	<10	500	1.5	<2	0.77	<0.5	25	150
X838006		1.74	0.023			<0.2	3.16	113	<10	880	1.5	<2	2.84	<0.5	30	183
X838007		1.64	0.046			<0.2	2.11	209	<10	370	1.0	<2	6.12	<0.5	21	257
X838008		1.82	5.69		5.83	1.1	1.29	3770	10	340	2.1	<2	1.18	<0.5	33	107
X838009		1.55	2.23		2.33	0.2	0.45	747	<10	100	0.7	<2	0.14	<0.5	7	12
X838010		0.06	1.170		1.14	0.2	3.05	32	<10	120	<0.5	<2	2.08	<0.5	14	115
X838011		1.66	1.025		1.04	<0.2	0.46	213	<10	110	0.6	<2	0.08	<0.5	4	8
X838012		1.70	>10.0	22.3	22.0	1.4	0.42	2300	<10	160	1.0	<2	0.15	<0.5	11	25
X838013		1.84	4.55		4.74	0.5	1.08	1880	<10	270	1.3	<2	2.22	<0.5	25	102
X838014		1.66	0.213			<0.2	1.90	238	<10	330	0.9	<2	3.41	<0.5	20	121
X838015		1.71	0.152			<0.2	1.41	99	<10	150	0.6	<2	1.00	<0.5	45	157
X838016		2.18	0.155			<0.2	1.59	60	<10	220	0.5	<2	3.41	<0.5	30	182
X838017		2.30	0.085			<0.2	1.74	13	<10	230	<0.5	<2	3.58	<0.5	19	209
X838018		2.24	0.063			<0.2	0.78	26	<10	100	<0.5	<2	0.82	<0.5	8	53
X838019		1.96	0.024			<0.2	2.21	13	<10	340	0.5	<2	2.25	<0.5	23	145
X838020		0.06	0.002			<0.2	1.62	2	<10	130	<0.5	<2	0.94	<0.5	8	10
X838021		2.16	0.033			<0.2	0.82	20	<10	60	<0.5	<2	0.48	<0.5	9	43
X838022		1.95	0.007			<0.2	1.95	8	<10	180	0.5	<2	1.70	<0.5	19	75
X838023		1.59	0.002			<0.2	1.68	4	<10	240	<0.5	<2	3.37	<0.5	17	95
X838024		1.53	<0.001			<0.2	1.60	9	<10	180	<0.5	<2	1.81	<0.5	11	81



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Sample Description	Method Analyte Units LOR	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
X837985		11	1.31	<10	<1	0.09	10	0.13	292	1	0.02	9	190	8	<0.01	6
X837986		10	1.37	<10	<1	0.10	10	0.12	262	1	0.02	9	170	8	<0.01	5
X837987		13	1.87	<10	<1	0.29	40	0.26	273	2	0.02	13	320	9	0.01	5
X837988		11	2.02	<10	<1	0.33	50	0.22	235	3	0.03	9	320	7	0.04	4
X837989		10	1.83	<10	<1	0.29	40	0.23	168	3	0.02	8	370	6	0.01	3
X837990		84	5.11	10	<1	0.51	10	2.06	827	5	0.17	235	370	19	0.36	5
X837991		6	1.93	<10	<1	0.38	50	0.27	333	2	0.03	12	400	4	<0.01	3
X837992		5	1.33	<10	<1	0.25	40	0.16	172	2	0.02	21	280	6	<0.01	3
X837993		5	1.84	<10	<1	0.36	50	0.20	301	3	0.02	9	360	5	<0.01	4
X837994		8	1.94	<10	<1	0.23	60	0.08	491	3	0.01	8	270	12	0.03	9
X837995		20	2.06	<10	<1	0.24	60	0.13	276	4	0.02	5	350	18	0.06	10
X837996		8	1.36	<10	<1	0.13	50	0.05	109	4	0.03	4	280	8	0.23	4
X837997		5	1.54	<10	<1	0.27	40	0.29	223	2	0.04	7	340	3	0.04	4
X837998		18	2.03	<10	<1	0.22	70	0.12	204	3	0.02	16	380	25	<0.01	13
X837999		32	3.28	<10	<1	0.64	40	0.57	415	2	0.03	223	430	3	0.03	6
X838000		90	2.66	<10	<1	0.19	10	0.68	366	2	0.16	4	620	3	0.01	<2
X838001		13	1.68	<10	<1	0.15	50	0.09	219	2	0.03	12	270	4	<0.01	5
X838002		15	2.33	<10	<1	0.53	50	0.50	437	1	0.04	11	480	5	<0.01	4
X838003		14	1.79	<10	<1	0.29	60	0.20	243	3	0.02	10	370	8	<0.01	11
X838004		10	2.04	<10	<1	0.41	60	0.37	279	2	0.03	20	420	5	<0.01	4
X838005		24	4.66	10	<1	1.48	20	1.96	1050	1	0.02	92	820	7	<0.01	8
X838006		30	5.94	10	<1	1.97	20	2.37	1200	<1	0.03	99	1040	7	0.01	7
X838007		10	3.56	10	1	1.10	10	1.66	867	1	0.04	75	520	6	<0.01	3
X838008		37	5.67	<10	1	0.49	30	0.36	1245	2	0.01	90	1330	19	0.01	84
X838009		12	1.93	<10	<1	0.14	40	0.05	380	2	0.01	16	220	9	0.01	58
X838010		115	3.04	10	1	0.22	10	1.30	406	4	0.36	126	360	10	0.06	<2
X838011		5	1.61	<10	<1	0.15	40	0.03	206	1	0.01	7	170	7	0.01	43
X838012		59	2.45	<10	1	0.16	20	0.05	454	2	0.01	41	130	29	0.01	279
X838013		20	3.34	<10	1	0.44	20	0.46	858	2	0.01	89	530	7	0.01	61
X838014		18	3.45	10	<1	1.13	20	1.35	695	1	0.02	65	540	5	<0.01	15
X838015		63	2.90	<10	<1	0.61	20	1.12	441	2	0.06	451	430	4	0.01	6
X838016		32	2.62	10	<1	0.68	10	1.42	692	2	0.06	233	580	3	0.01	4
X838017		11	2.55	10	<1	0.92	10	1.69	574	1	0.06	63	540	2	0.03	3
X838018		6	1.39	<10	<1	0.47	20	0.60	253	2	0.04	19	360	3	<0.01	4
X838019		20	3.36	10	<1	1.44	10	2.07	541	2	0.05	57	760	3	0.05	4
X838020		93	2.79	<10	<1	0.20	10	0.70	378	2	0.17	5	640	4	0.02	2
X838021		13	2.01	<10	1	0.38	20	0.65	193	3	0.04	21	460	3	0.15	2
X838022		15	3.10	10	<1	1.10	10	1.63	501	2	0.05	36	750	4	0.02	<2
X838023		11	2.30	10	<1	0.92	10	1.49	471	2	0.05	49	870	<2	0.05	2
X838024		9	2.52	10	<1	0.97	10	1.39	524	4	0.06	34	500	2	0.02	3



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**CERTIFICATE OF ANALYSIS WH18115136**

Sample Description	Method Analyte Units LOR	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
X837985		2	14	20	0.03	<10	<10	23	<10	17
X837986		2	13	20	0.03	<10	<10	21	<10	18
X837987		2	31	30	0.06	<10	<10	20	<10	23
X837988		2	21	30	0.05	<10	<10	10	<10	13
X837989		1	21	20	0.05	<10	<10	9	<10	12
X837990		5	90	<20	0.11	<10	<10	73	<10	62
X837991		1	9	30	0.04	<10	<10	8	<10	15
X837992		1	10	30	0.02	<10	<10	5	<10	9
X837993		1	13	30	0.02	<10	<10	6	<10	13
X837994		2	22	30	0.01	<10	<10	7	<10	19
X837995		2	17	30	0.02	<10	<10	12	<10	17
X837996		1	11	30	0.01	<10	<10	5	<10	9
X837997		2	11	30	0.04	<10	<10	14	<10	15
X837998		2	13	30	0.01	<10	10	10	<10	17
X837999		4	18	20	0.08	<10	<10	24	<10	22
X838000		2	71	<20	0.12	<10	<10	95	10	36
X838001		2	11	30	0.01	<10	<10	9	<10	12
X838002		4	20	30	0.05	<10	<10	31	<10	24
X838003		2	14	30	0.01	<10	<10	19	<10	20
X838004		3	12	30	0.03	<10	<10	15	<10	19
X838005		10	25	<20	0.17	<10	<10	88	<10	54
X838006		16	94	<20	0.21	<10	<10	130	<10	72
X838007		9	60	<20	0.11	<10	<10	56	<10	49
X838008		20	87	<20	0.01	<10	10	96	<10	65
X838009		2	25	30	<0.01	<10	<10	9	<10	14
X838010		3	98	<20	0.11	<10	<10	72	<10	80
X838011		1	31	30	<0.01	<10	<10	4	<10	7
X838012		4	61	<20	<0.01	<10	10	17	<10	20
X838013		8	49	<20	0.03	<10	10	44	<10	31
X838014		10	40	20	0.11	<10	<10	70	<10	39
X838015		3	23	20	0.09	<10	<10	35	<10	30
X838016		4	61	<20	0.13	<10	<10	40	<10	33
X838017		3	80	<20	0.21	<10	<10	44	<10	31
X838018		2	18	20	0.05	<10	<10	17	<10	17
X838019		3	62	<20	0.26	<10	<10	60	<10	32
X838020		3	78	<20	0.13	<10	<10	98	<10	36
X838021		2	49	20	0.10	<10	<10	23	<10	17
X838022		3	90	<20	0.25	<10	<10	55	<10	36
X838023		2	127	<20	0.22	<10	<10	43	<10	28
X838024		4	41	<20	0.17	<10	<10	46	<10	28



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Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	Au-GRA21	Au-AA13	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt.	Au	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co
		kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.02	0.001	0.05	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1
X838025		4.24	0.001			<0.2	1.59	5	<10	190	<0.5	<2	1.29	<0.5	16
X838026		1.65	5.43		5.42	0.9	1.35	3330	<10	350	2.0	<2	1.55	<0.5	34
X838027		1.52	0.007			<0.2	1.51	11	<10	170	<0.5	<2	1.06	<0.5	15



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		Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S
		ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%
		1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01
X838025		24	2.32	<10	<1	0.80	10	1.37	359	3	0.05	37	700	2	0.05
X838026		33	5.52	10	1	0.55	30	0.47	1225	1	0.01	88	1270	18	0.01
X838027		22	2.35	<10	<1	0.78	10	1.29	352	3	0.05	30	630	<2	0.05



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Finalized Date: 2-JUN-2018  
Account: KAMGOL

Project: Coffee

**CERTIFICATE OF ANALYSIS WH18115136**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sc	Sr	Th	Ti	Tl	U	V	W	Zn
		ppm 1	ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
X838025		3	55	<20	0.18	<10	<10	44	<10	29
X838026		19	80	<20	0.02	<10	10	93	<10	64
X838027		3	51	<20	0.17	<10	<10	40	<10	28



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To: GOLDCORP KAMINAK LTD  
SUITE 3400 - 666 BURNARD STREET  
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Page: Appendix 1  
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**CERTIFICATE OF ANALYSIS WH18115136**

**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
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA13	Au-GRA21	Au-ICP21
			ME-ICP41