



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: 8-MAY-2018
Account: KAMGOL

CERTIFICATE WH18093286

Project: Coffee

P.O. No.: KGC-18-1108

This report is for 105 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 24-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
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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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 WH18093286

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	Au-GRA21 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
		0.02	0.001	0.05	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
X835147		2.04	0.076			<0.2	0.60	73	<10	90	0.5	<2	0.14	<0.5	5	15
X835148		1.77	0.013			<0.2	0.37	105	<10	40	<0.5	<2	0.03	<0.5	1	7
X835149		1.09	0.205			<0.2	0.32	146	<10	100	0.6	<2	0.04	<0.5	1	6
X835150		0.06	1.000		1.01	0.5	3.06	34	<10	120	<0.5	<2	2.08	<0.5	15	114
X835151		2.18	0.005			<0.2	0.39	51	<10	40	0.5	<2	0.03	<0.5	1	4
X835152		2.23	0.003			<0.2	0.29	72	<10	60	<0.5	<2	0.02	<0.5	<1	5
X835153		2.58	0.002			<0.2	0.24	26	<10	90	0.6	<2	0.34	<0.5	1	6
X835154		2.62	0.001			<0.2	0.24	5	<10	30	0.6	<2	0.71	<0.5	1	7
X835155		2.02	0.002			<0.2	0.50	9	<10	60	0.7	<2	0.29	<0.5	3	23
X835156		2.55	0.001			<0.2	0.25	7	<10	50	<0.5	<2	0.24	<0.5	2	8
X835157		2.20	0.001			<0.2	0.23	7	<10	50	0.5	<2	0.47	<0.5	1	7
X835158		2.25	0.001			<0.2	0.31	11	<10	40	<0.5	<2	0.21	<0.5	1	9
X835159		2.31	0.001			<0.2	0.18	7	<10	40	<0.5	<2	0.04	<0.5	1	9
X835160		0.06	0.003			0.3	1.58	<2	<10	130	<0.5	<2	0.87	<0.5	8	10
X835161		2.28	0.001			<0.2	0.53	6	<10	60	<0.5	<2	0.45	<0.5	3	16
X835162		2.51	0.001			<0.2	2.14	10	<10	350	0.6	<2	0.61	<0.5	16	84
X835163		2.20	0.002			<0.2	2.76	10	<10	790	1.0	<2	0.81	<0.5	22	65
X835164		1.85	0.002			<0.2	1.20	36	<10	250	0.7	<2	0.21	<0.5	12	70
X835165		2.36	0.003			<0.2	0.31	129	<10	50	<0.5	<2	0.03	<0.5	1	7
X835166		2.34	0.001			<0.2	0.29	46	<10	40	<0.5	<2	0.03	<0.5	1	7
X835167		2.25	0.006			<0.2	0.33	87	<10	60	0.5	<2	0.04	<0.5	1	7
X835168		2.01	0.027			<0.2	0.37	80	<10	70	0.5	<2	0.03	<0.5	1	8
X835169		2.08	0.061			<0.2	0.42	347	<10	190	0.9	<2	0.07	<0.5	4	12
X835170		0.06	9.29		4.09	6.8	1.80	37	<10	170	<0.5	<2	1.04	3.3	14	32
X835171		1.76	0.001			<0.2	2.34	53	<10	370	0.9	<2	0.42	<0.5	16	80
X835172		2.17	<0.001			<0.2	2.17	18	<10	310	0.6	<2	0.40	<0.5	16	61
X835173		2.62	<0.001			<0.2	2.11	6	<10	380	0.6	<2	1.18	<0.5	17	93
X835174		3.09	<0.001			<0.2	2.17	5	<10	390	0.8	<2	2.25	<0.5	18	125
X835175		3.08	<0.001			<0.2	2.11	4	<10	420	0.9	<2	3.01	<0.5	23	160
X835176		2.97	0.001			<0.2	2.90	96	<10	1500	1.4	<2	5.08	<0.5	29	171
X835177		1.60	0.001			<0.2	2.36	88	<10	1570	1.0	<2	1.80	<0.5	24	135
X835178		2.78	<0.001			<0.2	2.26	8	<10	950	0.7	<2	2.77	<0.5	22	150
X835179		2.46	<0.001			<0.2	2.05	25	<10	400	0.6	<2	3.84	<0.5	23	101
X835180		0.06	<0.001			0.2	1.61	<2	<10	130	<0.5	<2	0.90	<0.5	9	10
X835181		2.43	<0.001			<0.2	3.14	10	<10	560	0.9	<2	2.05	<0.5	32	286
X835182		2.56	0.001			<0.2	1.80	13	<10	300	1.3	<2	1.92	<0.5	18	107
X835183		2.65	<0.001			<0.2	0.33	9	<10	60	0.5	2	0.30	<0.5	2	10
X835184		2.34	<0.001			<0.2	1.12	25	<10	150	1.3	3	0.50	<0.5	11	9
X835185		2.61	<0.001			<0.2	0.37	7	<10	310	0.6	<2	0.65	<0.5	3	10
X835186		2.01	<0.001			<0.2	0.22	6	<10	490	<0.5	<2	0.75	<0.5	1	7



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CERTIFICATE OF ANALYSIS WH18093286

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
X835147		8	1.19	<10	<1	0.12	20	0.19	325	1	0.02	9	170	8	0.01	6
X835148		3	0.57	<10	<1	0.15	20	0.03	116	1	<0.01	3	70	6	0.01	9
X835149		11	0.61	<10	<1	0.17	20	0.02	110	2	<0.01	3	60	12	0.01	12
X835150		118	2.98	10	<1	0.22	10	1.36	410	4	0.36	127	370	13	0.06	<2
X835151		5	0.54	<10	<1	0.13	30	0.02	145	1	<0.01	3	90	9	0.01	<2
X835152		4	0.62	<10	<1	0.11	20	0.01	177	1	<0.01	3	90	5	0.01	2
X835153		2	0.73	<10	<1	0.11	30	0.02	173	2	0.03	3	70	5	0.01	<2
X835154		3	0.58	<10	<1	0.12	20	0.07	124	2	0.05	2	50	<2	0.01	<2
X835155		4	1.05	<10	1	0.34	30	0.29	232	2	0.04	8	130	2	<0.01	<2
X835156		2	0.60	<10	<1	0.15	20	0.06	134	2	0.04	3	70	3	<0.01	<2
X835157		3	0.66	<10	<1	0.12	20	0.05	102	3	0.04	3	40	4	0.02	<2
X835158		3	0.71	<10	<1	0.19	20	0.17	137	4	0.04	4	60	2	<0.01	<2
X835159		3	0.73	<10	<1	0.08	20	0.02	128	5	0.04	3	80	13	<0.01	<2
X835160		94	2.68	<10	<1	0.20	10	0.73	383	2	0.17	5	640	4	0.01	2
X835161		4	1.16	<10	<1	0.37	30	0.28	188	13	0.04	10	160	19	<0.01	<2
X835162		4	3.31	10	1	1.23	20	1.65	713	2	0.04	57	610	3	<0.01	<2
X835163		3	3.88	10	<1	1.66	20	2.37	814	1	0.04	13	730	4	0.01	2
X835164		8	2.10	<10	<1	0.63	30	0.92	511	1	0.04	54	360	7	<0.01	2
X835165		3	0.60	<10	<1	0.13	20	0.02	135	2	0.01	3	70	6	<0.01	3
X835166		3	0.56	<10	<1	0.13	20	0.02	120	2	0.02	2	70	8	<0.01	2
X835167		2	0.49	<10	<1	0.15	30	0.02	154	1	0.02	3	90	6	<0.01	4
X835168		5	0.59	<10	<1	0.12	30	0.02	142	1	0.01	3	70	6	<0.01	4
X835169		3	1.13	<10	<1	0.19	20	0.05	502	1	0.01	10	120	6	<0.01	8
X835170		1780	3.82	10	1	0.24	10	0.92	613	24	0.21	167	570	319	0.44	7
X835171		7	3.83	10	1	1.37	20	1.60	825	1	0.03	51	630	3	<0.01	3
X835172		9	3.62	10	<1	1.41	20	1.53	730	2	0.02	52	540	<2	<0.01	3
X835173		4	3.48	10	<1	1.28	10	1.66	619	3	0.04	44	400	2	0.03	<2
X835174		7	3.19	10	1	1.21	10	1.82	577	3	0.05	50	500	<2	0.07	<2
X835175		23	3.46	10	<1	1.13	10	1.92	597	4	0.05	81	630	2	0.28	2
X835176		24	5.09	10	1	1.54	20	2.64	922	2	0.09	166	1320	11	0.04	5
X835177		9	4.59	10	<1	1.00	20	1.94	895	1	0.05	89	1120	8	0.05	6
X835178		10	4.08	10	1	1.24	30	1.85	626	3	0.04	90	400	3	0.11	2
X835179		25	4.24	10	1	1.22	30	1.74	758	2	0.03	113	980	3	0.01	3
X835180		95	2.86	<10	<1	0.21	10	0.76	394	2	0.17	4	660	3	0.01	<2
X835181		14	4.13	10	1	2.07	20	3.72	593	1	0.04	266	470	4	0.07	<2
X835182		11	3.45	10	<1	1.48	40	1.79	519	1	0.03	88	1030	3	0.01	<2
X835183		4	1.09	<10	<1	0.23	50	0.08	246	2	0.04	5	190	3	<0.01	<2
X835184		20	3.30	10	<1	0.95	50	0.68	502	1	0.03	6	1200	4	0.01	<2
X835185		9	1.45	<10	<1	0.30	40	0.13	281	2	0.03	4	400	7	0.01	2
X835186		3	0.78	<10	<1	0.21	20	0.05	212	2	0.02	2	260	5	0.01	<2



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CERTIFICATE OF ANALYSIS WH18093286

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	Ti	U	V	W	Zn
		ppm 1	ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
X835147		2	16	30	0.04	<10	<10	18	<10	18
X835148		<1	7	40	<0.01	<10	<10	3	<10	7
X835149		<1	11	40	<0.01	<10	10	2	<10	10
X835150		3	98	<20	0.11	<10	<10	72	<10	80
X835151		<1	5	40	<0.01	<10	<10	1	<10	6
X835152		<1	6	40	<0.01	<10	10	1	<10	5
X835153		<1	16	40	<0.01	<10	<10	1	<10	7
X835154		<1	20	40	<0.01	<10	<10	1	<10	4
X835155		1	11	40	0.02	<10	<10	6	<10	14
X835156		<1	7	40	<0.01	<10	<10	1	<10	6
X835157		<1	11	40	<0.01	<10	<10	1	<10	4
X835158		<1	7	30	0.01	<10	<10	5	<10	7
X835159		<1	4	30	<0.01	<10	<10	2	<10	7
X835160		2	73	<20	0.13	<10	<10	100	10	37
X835161		1	14	30	0.04	<10	<10	9	<10	12
X835162		5	30	<20	0.18	<10	<10	49	<10	35
X835163		5	40	<20	0.20	<10	<10	61	<10	61
X835164		3	14	20	0.08	<10	<10	24	<10	29
X835165		<1	5	40	<0.01	<10	<10	5	<10	6
X835166		<1	5	40	<0.01	<10	<10	2	<10	6
X835167		<1	6	40	<0.01	<10	<10	3	<10	5
X835168		<1	5	40	<0.01	<10	<10	4	<10	7
X835169		1	8	30	<0.01	<10	10	12	<10	11
X835170		3	83	<20	0.14	<10	<10	96	<10	606
X835171		6	26	<20	0.16	<10	<10	56	<10	47
X835172		4	26	<20	0.20	<10	<10	42	<10	50
X835173		4	38	<20	0.19	<10	<10	54	<10	36
X835174		6	52	<20	0.16	<10	<10	59	<10	35
X835175		7	68	<20	0.15	<10	<10	60	<10	43
X835176		11	159	<20	0.17	<10	<10	102	<10	48
X835177		11	93	<20	0.11	<10	<10	87	<10	53
X835178		11	84	<20	0.14	<10	<10	70	<10	46
X835179		11	76	<20	0.14	<10	<10	84	<10	45
X835180		3	75	<20	0.13	<10	<10	102	<10	37
X835181		8	79	<20	0.25	<10	<10	75	<10	43
X835182		7	43	20	0.15	<10	<10	77	<10	46
X835183		1	18	40	0.02	<10	<10	6	<10	11
X835184		6	31	30	0.11	<10	<10	72	<10	50
X835185		1	57	30	0.03	<10	<10	17	<10	20
X835186		1	126	30	0.01	<10	<10	9	<10	8



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	Au-GRA21 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
		0.02	0.001	0.05	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
X835187		2.14	<0.001			<0.2	0.30	32	<10	160	0.5	<2	0.40	<0.5	2	8
X835188		2.33	0.350		0.37	<0.2	0.41	917	<10	120	1.4	<2	0.60	<0.5	4	6
X835189		2.33	0.056			<0.2	0.25	866	<10	970	0.7	2	0.76	<0.5	1	7
X835190		0.06	2.93		2.88	0.8	2.51	165	<10	180	<0.5	<2	1.80	0.5	28	442
X835191		1.97	0.002			<0.2	0.22	47	<10	560	<0.5	<2	0.83	<0.5	1	7
X835192		2.19	0.004			<0.2	0.20	240	<10	30	<0.5	<2	0.71	<0.5	1	8
X835193		2.03	0.006			<0.2	0.18	166	<10	50	0.5	<2	0.68	<0.5	1	8
X835194		2.32	<0.001			<0.2	0.20	26	<10	130	<0.5	<2	1.01	<0.5	1	10
X835195		1.67	0.001			<0.2	0.18	18	<10	50	<0.5	<2	0.72	<0.5	1	9
X835196		2.15	<0.001			<0.2	0.16	8	<10	40	<0.5	<2	0.35	<0.5	1	11
X835197		2.42	<0.001			<0.2	0.19	4	<10	10	<0.5	<2	0.42	<0.5	1	9
X835198		2.05	<0.001			<0.2	0.18	5	<10	470	<0.5	<2	0.94	<0.5	1	9
X835199		2.09	<0.001			<0.2	0.27	4	<10	20	<0.5	<2	0.48	<0.5	1	12
X835200		0.06	0.002			<0.2	1.57	<2	<10	130	<0.5	<2	0.90	<0.5	8	10
X835201		2.37	0.002			<0.2	0.73	23	<10	40	0.6	<2	0.78	<0.5	7	26
X835202		2.11	<0.001			<0.2	0.22	5	<10	10	<0.5	2	0.51	<0.5	1	9
X835203		2.00	<0.001			<0.2	0.27	10	<10	20	0.5	2	0.62	<0.5	1	9
X835204		2.34	<0.001			<0.2	0.27	3	<10	10	<0.5	<2	0.58	<0.5	1	9
X835205		2.39	<0.001			<0.2	0.32	4	<10	20	<0.5	<2	0.66	<0.5	1	8
X835206		2.79	<0.001			<0.2	0.31	4	<10	20	<0.5	<2	0.73	<0.5	1	8
X835207		2.62	<0.001			<0.2	1.18	2	<10	80	0.8	<2	0.96	<0.5	10	15
X835208		2.63	<0.001			<0.2	2.30	3	<10	230	1.7	2	1.29	<0.5	23	14
X835209		2.32	<0.001			<0.2	0.36	2	<10	20	<0.5	<2	0.42	<0.5	1	10
X835210		0.06	1.125		1.07	0.3	3.23	32	<10	130	<0.5	<2	2.19	0.5	15	122
X835211		2.57	<0.001			<0.2	0.32	2	<10	10	<0.5	<2	0.52	<0.5	1	10
X835212		2.13	<0.001			<0.2	0.38	<2	<10	10	<0.5	<2	0.50	<0.5	1	9
X835213		2.32	<0.001			<0.2	0.36	<2	<10	10	<0.5	<2	0.43	<0.5	1	10
X835214		2.19	<0.001			<0.2	0.69	4	<10	60	0.6	<2	0.71	<0.5	4	22
X835215		2.26	<0.001			<0.2	0.34	2	<10	20	<0.5	<2	0.63	<0.5	1	9
X835216		2.48	<0.001			<0.2	0.28	4	<10	20	<0.5	<2	0.74	<0.5	1	10
X835217		2.12	<0.001			<0.2	0.27	<2	<10	10	<0.5	<2	0.58	<0.5	1	10
X835218		2.44	<0.001			<0.2	2.07	3	<10	260	0.6	<2	1.78	<0.5	19	93
X835219		2.30	<0.001			<0.2	0.71	2	<10	30	0.6	<2	0.91	<0.5	5	20
X835220		0.06	<0.001			0.2	1.76	2	<10	130	<0.5	<2	1.01	<0.5	9	10
X835221		2.22	<0.001			<0.2	0.26	4	<10	10	<0.5	<2	0.21	<0.5	1	10
X835222		1.99	<0.001			<0.2	0.43	4	<10	20	0.5	<2	0.86	<0.5	3	18
X835223		2.30	<0.001			<0.2	1.71	3	<10	70	1.1	<2	1.70	<0.5	15	73
X835224		2.23	<0.001			<0.2	0.38	4	<10	20	<0.5	<2	0.64	<0.5	2	9
X835225		2.20	<0.001			<0.2	0.34	3	<10	20	<0.5	<2	0.66	<0.5	1	10
X835226		2.68	<0.001			<0.2	0.77	2	<10	30	0.6	<2	1.01	<0.5	5	20



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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
X835187		5	1.12	<10	<1	0.17	30	0.05	242	2	0.03	3	200	6	<0.01	2
X835188		9	1.70	<10	<1	0.21	40	0.03	555	2	0.01	4	470	16	<0.01	3
X835189		3	1.04	<10	<1	0.16	30	0.02	220	2	0.01	3	120	10	0.04	3
X835190		85	5.19	10	<1	0.54	10	2.21	862	5	0.18	239	380	21	0.38	4
X835191		3	0.72	<10	<1	0.16	30	0.03	218	3	0.03	2	100	6	0.04	2
X835192		2	0.80	<10	<1	0.11	30	0.02	153	2	0.04	2	90	4	<0.01	<2
X835193		4	0.94	<10	<1	0.10	30	0.02	167	3	0.04	2	90	7	<0.01	2
X835194		3	0.85	<10	<1	0.11	30	0.04	177	2	0.04	2	90	6	0.01	<2
X835195		3	0.66	<10	<1	0.10	20	0.05	127	2	0.04	3	60	5	<0.01	<2
X835196		4	0.75	<10	<1	0.10	20	0.03	119	2	0.04	3	40	5	<0.01	<2
X835197		3	0.66	<10	<1	0.14	20	0.02	129	2	0.05	2	40	9	<0.01	2
X835198		3	0.60	<10	<1	0.11	30	0.04	152	2	0.04	3	60	5	0.01	3
X835199		4	0.71	<10	<1	0.12	30	0.12	113	2	0.04	3	110	3	0.01	2
X835200		92	2.78	<10	<1	0.20	10	0.73	381	2	0.17	4	640	4	0.01	3
X835201		10	1.37	<10	<1	0.52	30	0.53	283	2	0.05	12	380	5	<0.01	3
X835202		3	0.56	<10	<1	0.14	30	0.04	109	2	0.04	2	70	4	<0.01	2
X835203		3	0.72	<10	<1	0.18	30	0.07	162	2	0.04	2	90	5	0.02	<2
X835204		3	0.65	<10	<1	0.20	30	0.07	165	6	0.04	3	100	5	0.05	<2
X835205		2	0.71	<10	<1	0.23	40	0.09	173	2	0.05	2	120	6	0.06	2
X835206		2	0.67	<10	<1	0.22	40	0.06	196	2	0.04	2	130	4	0.01	<2
X835207		9	2.25	10	<1	0.93	40	0.86	460	2	0.05	9	660	7	0.12	<2
X835208		14	5.02	10	1	1.90	40	1.75	822	1	0.06	11	1850	2	0.15	2
X835209		4	0.86	<10	1	0.20	40	0.15	157	2	0.05	2	110	5	0.04	2
X835210		118	3.15	10	1	0.23	10	1.42	436	4	0.40	132	390	11	0.05	<2
X835211		3	0.74	<10	<1	0.17	30	0.11	154	2	0.04	3	100	5	0.03	<2
X835212		7	0.73	<10	<1	0.16	30	0.13	134	2	0.05	2	100	5	0.10	<2
X835213		3	0.77	<10	<1	0.18	40	0.13	154	2	0.05	2	110	6	0.08	2
X835214		4	1.12	<10	<1	0.44	40	0.44	225	2	0.05	5	290	4	0.07	2
X835215		3	0.57	<10	<1	0.17	40	0.10	125	2	0.06	3	140	4	0.03	<2
X835216		2	0.49	<10	<1	0.14	40	0.05	118	3	0.05	2	110	4	0.02	<2
X835217		5	0.57	<10	<1	0.16	30	0.07	120	4	0.05	3	100	4	0.03	2
X835218		20	2.81	<10	<1	1.11	20	1.99	493	2	0.04	48	650	2	0.07	<2
X835219		4	1.27	<10	<1	0.45	30	0.50	266	7	0.04	5	240	4	0.08	3
X835220		95	2.87	<10	<1	0.22	10	0.76	405	2	0.20	5	670	4	0.01	2
X835221		3	0.61	<10	<1	0.17	30	0.06	127	9	0.04	3	70	7	<0.01	2
X835222		5	0.80	<10	<1	0.32	30	0.22	204	6	0.05	6	120	6	0.02	<2
X835223		15	2.42	<10	<1	1.44	30	1.64	545	6	0.05	31	410	2	0.15	<2
X835224		3	0.71	<10	<1	0.24	50	0.15	186	4	0.05	3	150	5	0.04	<2
X835225		3	0.68	<10	<1	0.22	40	0.13	186	3	0.05	2	120	4	0.11	<2
X835226		5	1.26	<10	<1	0.55	30	0.52	316	2	0.05	7	220	5	0.08	<2



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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
X835187		1	32	40	0.01	<10	<10	5	<10	14
X835188		2	32	30	<0.01	<10	10	18	<10	30
X835189		1	132	30	<0.01	<10	10	2	<10	9
X835190		5	96	<20	0.12	<10	<10	76	<10	62
X835191		<1	122	30	<0.01	<10	<10	2	<10	6
X835192		<1	32	40	<0.01	<10	<10	2	<10	5
X835193		1	78	30	<0.01	<10	<10	3	<10	8
X835194		1	152	40	<0.01	<10	<10	4	<10	6
X835195		<1	77	40	<0.01	<10	<10	2	<10	5
X835196		<1	23	40	<0.01	<10	<10	2	<10	5
X835197		<1	16	40	0.01	<10	<10	1	<10	7
X835198		<1	101	30	0.01	<10	<10	3	<10	5
X835199		1	65	30	0.02	<10	<10	4	<10	6
X835200		2	74	<20	0.13	<10	<10	99	<10	36
X835201		1	43	30	0.07	<10	<10	19	<10	20
X835202		<1	23	40	<0.01	<10	<10	1	<10	4
X835203		<1	39	40	0.01	<10	<10	3	<10	8
X835204		<1	25	40	<0.01	<10	<10	1	<10	7
X835205		<1	26	40	0.01	<10	<10	2	<10	8
X835206		<1	24	40	0.01	<10	<10	1	<10	6
X835207		2	64	30	0.15	<10	10	43	<10	40
X835208		3	124	<20	0.38	<10	<10	128	<10	94
X835209		1	25	40	0.02	<10	<10	4	<10	9
X835210		3	108	<20	0.12	<10	<10	77	<10	81
X835211		<1	25	40	0.01	<10	<10	2	<10	7
X835212		<1	35	40	0.02	<10	10	2	10	7
X835213		<1	26	40	0.01	<10	<10	2	10	8
X835214		1	42	40	0.04	<10	<10	11	<10	14
X835215		<1	35	40	0.02	<10	<10	2	<10	5
X835216		<1	36	40	0.01	<10	<10	1	<10	3
X835217		<1	26	40	0.01	<10	<10	1	<10	5
X835218		4	74	20	0.21	<10	<10	50	<10	40
X835219		1	33	30	0.05	<10	20	17	<10	18
X835220		3	86	<20	0.15	<10	<10	105	<10	37
X835221		<1	14	40	0.01	<10	<10	1	<10	7
X835222		1	32	30	0.03	<10	10	7	<10	10
X835223		3	54	30	0.17	<10	10	46	<10	33
X835224		<1	29	40	0.01	<10	<10	2	<10	10
X835225		<1	24	40	0.01	<10	<10	2	10	10
X835226		1	32	40	0.05	<10	10	15	<10	18



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	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
		0.02	0.001	0.05	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
X835227		2.32	<0.001			<0.2	0.30	5	<10	90	<0.5	2	0.70	<0.5	1	12
X835228		2.42	<0.001			<0.2	0.26	5	<10	30	<0.5	<2	0.51	<0.5	1	11
X835229		2.89	<0.001			<0.2	0.17	7	<10	670	<0.5	<2	0.93	<0.5	1	13
X835230		0.06	>10.0	NSS	NSS	8.3	2.09	42	<10	190	<0.5	2	1.21	3.4	16	34
X835231		2.51	<0.001			<0.2	0.91	4	<10	2740	1.0	<2	2.32	<0.5	8	19
X835232		2.70	<0.001			<0.2	0.34	2	<10	60	<0.5	<2	0.44	<0.5	2	11
X835233		2.61	<0.001			<0.2	0.28	<2	<10	20	<0.5	<2	0.48	<0.5	2	11
X835234		2.94	<0.001			<0.2	1.68	4	<10	60	1.3	<2	1.82	<0.5	14	105
X835235		2.51	<0.001			<0.2	0.24	3	<10	20	<0.5	<2	0.57	<0.5	1	12
X835236		2.60	<0.001			<0.2	0.23	3	<10	20	<0.5	<2	0.63	<0.5	1	11
X835237		2.50	<0.001			<0.2	0.18	6	<10	20	<0.5	2	0.60	<0.5	2	12
X835238		2.46	<0.001			<0.2	0.29	3	<10	30	<0.5	<2	0.82	<0.5	2	11
X835239		2.49	0.162			<0.2	0.29	104	<10	30	0.6	<2	0.51	<0.5	1	10
X835240		0.06	<0.001			<0.2	1.56	2	<10	130	<0.5	<2	0.87	<0.5	9	10
X835241		2.70	<0.001			<0.2	0.46	11	<10	50	0.6	<2	0.86	<0.5	5	22
X835242		2.29	0.005			<0.2	0.23	36	<10	20	<0.5	<2	0.62	<0.5	2	10
X835243		2.45	0.001			<0.2	0.68	285	<10	30	0.8	<2	1.33	<0.5	5	27
X835244		2.67	0.638		0.48	<0.2	0.28	965	10	30	0.8	<2	0.29	<0.5	1	7
X835245		2.45	0.020			<0.2	0.45	2440	10	260	1.1	<2	1.43	<0.5	6	12
X835246		3.03	0.725		0.06	<0.2	0.35	881	10	30	0.7	<2	0.18	<0.5	1	8
X835247		2.33	2.06		0.38	<0.2	0.35	3280	10	70	1.0	<2	0.65	<0.5	2	6
X835248		2.54	0.022			<0.2	0.30	934	<10	50	0.6	<2	0.95	<0.5	1	9
X835249		1.72	0.620		0.45	<0.2	0.33	1100	10	30	0.9	<2	0.33	<0.5	2	7
X835250		0.06	0.728		0.67	0.2	2.73	6	10	100	<0.5	<2	1.92	<0.5	15	102
X835251		1.92	0.001			<0.2	3.18	16	<10	610	0.9	2	1.96	<0.5	33	285



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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
		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
X835227		4	0.88	<10	<1	0.18	30	0.17	205	3	0.05	3	90	7	0.09
X835228		3	0.86	<10	<1	0.16	30	0.15	172	3	0.04	2	90	7	0.08
X835229		5	0.94	<10	<1	0.11	20	0.13	193	5	0.03	3	70	7	0.08
X835230		1870	4.10	10	<1	0.26	10	0.99	659	26	0.26	177	590	333	0.47
X835231		7	2.12	<10	<1	0.69	20	0.77	459	4	0.01	9	430	6	0.09
X835232		3	0.98	<10	<1	0.15	30	0.18	158	3	0.04	3	100	3	0.09
X835233		5	0.86	<10	<1	0.13	30	0.14	153	4	0.05	3	100	5	0.07
X835234		18	2.52	10	1	1.39	20	1.77	527	2	0.04	35	380	4	0.11
X835235		3	0.72	<10	<1	0.16	30	0.08	151	2	0.06	3	90	5	0.04
X835236		3	0.68	<10	<1	0.16	30	0.08	163	2	0.05	3	80	5	0.06
X835237		3	0.70	<10	<1	0.12	20	0.11	160	3	0.05	2	60	5	0.07
X835238		3	0.79	<10	<1	0.19	20	0.15	210	4	0.05	2	70	6	0.12
X835239		2	0.77	<10	<1	0.19	30	0.13	145	4	0.03	2	110	8	0.18
X835240		93	2.65	<10	<1	0.20	10	0.71	373	2	0.16	5	640	5	0.01
X835241		6	1.14	<10	1	0.32	40	0.35	248	4	0.03	9	240	5	0.07
X835242		3	0.87	<10	<1	0.16	40	0.16	166	6	0.03	3	140	4	0.09
X835243		7	1.39	<10	<1	0.28	40	0.56	265	2	0.01	7	230	7	0.15
X835244		3	0.89	<10	<1	0.18	20	0.11	143	2	<0.01	4	90	17	0.19
X835245		7	1.53	<10	1	0.22	20	0.48	281	18	<0.01	10	170	10	0.57
X835246		4	0.63	<10	<1	0.22	30	0.07	62	3	<0.01	2	90	23	0.26
X835247		4	1.11	<10	<1	0.21	30	0.22	201	3	<0.01	2	110	16	0.58
X835248		3	0.90	<10	<1	0.16	30	0.28	184	2	0.01	2	120	9	0.23
X835249		3	0.92	<10	<1	0.20	30	0.12	155	2	<0.01	3	110	18	0.22
X835250		168	2.54	<10	<1	0.18	10	1.41	453	3	0.29	149	380	12	0.06
X835251		12	4.02	10	<1	2.22	20	3.68	610	1	0.03	268	420	2	0.05



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 8-MAY-2018
Account: KAMGOL

Project: Coffee

CERTIFICATE OF ANALYSIS WH18093286

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-32m	PUL-QC	SPL-21	WEI-21

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

Applies to Method:	Au-AA13	Au-GRA21	Au-ICP21	ME-ICP41
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