



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: 6-NOV-2018
Account: KAMGOL

CERTIFICATE WH18260985

Project: Coffee

P.O. No.: KGC-18-1655

This report is for 107 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-OCT-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 WH18260985

Sample Description	Method Analyte Units LOD	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
Y421041		1.42	1.045	1.16	<0.2	0.42	1725	<10	380	1.5	<2	0.12	<0.5	6	20	14
Y421042		1.58	0.230		<0.2	0.29	294	<10	770	0.7	<2	0.03	<0.5	1	7	2
Y421043		1.48	0.189		<0.2	0.24	309	<10	540	0.6	<2	0.04	<0.5	1	11	6
Y421044		2.23	0.145		<0.2	0.37	271	<10	70	0.7	<2	0.06	<0.5	1	7	3
Y421045		1.35	0.046		<0.2	0.28	210	<10	610	0.6	<2	0.05	<0.5	2	6	5
Y421046		1.41	0.221		<0.2	0.26	954	<10	90	0.7	<2	0.07	<0.5	5	19	7
Y421047		1.41	0.332	0.37	<0.2	0.53	2050	10	180	1.6	<2	0.15	<0.5	22	89	20
Y421048		2.19	0.798	0.81	<0.2	0.29	404	<10	40	0.6	<2	0.05	<0.5	2	18	2
Y421049		2.57	0.870	0.90	<0.2	0.20	269	<10	60	0.5	<2	0.04	<0.5	1	10	4
Y421050		0.06	6.53	5.63	1.0	2.48	532	10	110	<0.5	<2	2.00	0.6	45	815	100
Y421051		1.94	2.28	2.38	<0.2	0.36	1090	10	90	1.1	<2	0.11	<0.5	5	11	13
Y421052		2.29	0.194		<0.2	0.40	505	10	160	0.9	<2	0.10	<0.5	4	5	12
Y421053		2.23	0.262		<0.2	0.48	387	10	50	0.9	<2	0.08	<0.5	11	49	14
Y421054		2.68	0.024		<0.2	0.59	210	<10	70	0.6	<2	0.07	<0.5	7	9	15
Y421055		2.52	0.017		<0.2	0.56	150	<10	50	0.5	<2	0.04	<0.5	5	10	11
Y421056		2.36	0.002		<0.2	0.41	53	<10	30	0.5	<2	0.04	<0.5	2	7	9
Y421057		2.58	0.008		<0.2	0.54	60	<10	50	0.6	<2	0.07	<0.5	3	4	6
Y421058		2.37	0.011		<0.2	0.54	106	<10	70	0.6	<2	0.08	<0.5	3	4	4
Y421059		2.11	0.002		<0.2	0.45	30	<10	20	<0.5	<2	0.02	<0.5	1	3	4
Y421060		0.06	<0.001		<0.2	1.69	3	<10	140	<0.5	<2	0.92	<0.5	9	24	95
Y421061		2.26	0.003		<0.2	0.48	66	<10	40	0.6	<2	0.05	<0.5	2	3	5
Y421062		2.34	0.002		<0.2	0.60	44	<10	60	0.5	<2	0.02	<0.5	1	3	2
Y421063		2.46	0.005		<0.2	0.48	73	<10	30	0.5	<2	0.02	<0.5	1	3	4
Y421064		2.48	0.002		<0.2	0.51	60	<10	40	0.5	<2	0.02	<0.5	1	5	2
Y421065		2.51	0.004		<0.2	0.44	83	<10	30	0.6	<2	0.02	<0.5	1	4	3
Y421066		2.35	0.006		<0.2	0.27	70	<10	30	<0.5	<2	0.02	<0.5	<1	6	4
Y421067		2.25	0.009		<0.2	0.54	67	<10	30	0.6	<2	0.05	<0.5	1	4	7
Y421068		2.38	0.007		<0.2	0.45	87	<10	40	0.5	<2	0.02	<0.5	1	4	9
Y421069		2.53	0.001		<0.2	0.34	40	<10	20	0.5	<2	0.04	<0.5	1	4	8
Y421070		0.06	8.72	3.59	6.6	1.79	40	<10	170	<0.5	<2	1.02	3.2	14	31	1730
Y421071		2.41	0.004		<0.2	0.36	41	<10	30	0.5	<2	0.04	<0.5	1	5	9
Y421072		2.68	<0.001		<0.2	0.26	32	<10	20	0.5	<2	0.03	<0.5	1	6	10
Y421073		2.71	<0.001		<0.2	0.25	20	<10	120	0.5	<2	0.04	<0.5	1	10	5
Y421074		2.52	<0.001		<0.2	0.49	32	<10	30	0.6	<2	0.09	<0.5	<1	4	2
Y421075		2.35	0.001		<0.2	0.55	145	<10	90	1.2	<2	3.75	<0.5	12	34	12
Y421076		1.34	0.001		<0.2	0.82	206	<10	120	2.8	<2	11.3	0.6	38	135	42
Y421077		1.01	0.003		<0.2	1.24	462	10	160	4.7	<2	3.33	0.5	61	168	45
Y421078		2.12	<0.001		<0.2	0.89	355	<10	70	2.2	<2	0.09	<0.5	23	65	21
Y421079		1.35	<0.001		<0.2	0.56	40	<10	30	0.6	<2	0.98	<0.5	1	4	3
Y421080		0.06	<0.001		<0.2	1.68	4	<10	140	<0.5	<2	0.92	<0.5	9	24	92



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CERTIFICATE OF ANALYSIS WH18260985

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
Y421041		2.63	<10	1	0.13	10	0.05	1115	2	0.01	37	140	15	<0.01	61	2
Y421042		0.67	<10	<1	0.08	<10	0.02	211	1	0.01	7	50	9	0.01	11	<1
Y421043		0.79	<10	<1	0.09	<10	0.02	208	1	0.01	10	40	10	0.01	16	1
Y421044		0.72	<10	<1	0.16	10	0.03	202	<1	0.01	12	50	8	<0.01	13	1
Y421045		0.64	<10	<1	0.14	10	0.02	2130	1	0.01	15	50	17	<0.01	19	<1
Y421046		1.63	<10	1	0.11	10	0.03	383	1	0.01	58	100	8	<0.01	22	2
Y421047		3.08	<10	1	0.16	20	0.06	930	2	0.01	252	180	11	<0.01	64	7
Y421048		0.88	<10	<1	0.15	10	0.02	145	<1	0.01	21	50	7	<0.01	13	1
Y421049		0.70	<10	<1	0.11	10	0.02	187	<1	0.01	9	40	8	<0.01	30	<1
Y421050		7.28	10	<1	0.61	10	2.72	1290	6	0.07	480	470	21	0.98	<2	7
Y421051		1.57	<10	<1	0.17	10	0.04	304	1	0.01	9	80	13	<0.01	19	1
Y421052		0.76	<10	<1	0.19	20	0.03	498	1	<0.01	4	60	6	<0.01	11	<1
Y421053		1.24	<10	<1	0.14	20	0.03	222	1	<0.01	111	160	8	<0.01	19	2
Y421054		0.93	<10	<1	0.22	20	0.03	177	1	<0.01	10	270	6	<0.01	12	2
Y421055		0.77	<10	<1	0.16	10	0.02	176	1	<0.01	8	140	16	<0.01	7	2
Y421056		0.56	<10	<1	0.15	20	0.02	89	<1	0.01	2	130	16	<0.01	4	<1
Y421057		0.78	<10	<1	0.22	20	0.10	132	<1	0.03	3	220	13	<0.01	3	1
Y421058		0.83	<10	<1	0.20	20	0.05	181	<1	<0.01	4	230	14	<0.01	7	1
Y421059		0.35	<10	<1	0.14	10	0.01	64	<1	<0.01	1	50	11	<0.01	3	<1
Y421060		3.32	10	<1	0.23	10	0.76	455	5	0.18	12	580	3	0.01	<2	3
Y421061		0.57	<10	<1	0.13	20	0.02	136	<1	<0.01	2	160	6	<0.01	4	1
Y421062		0.40	<10	<1	0.09	20	0.01	87	<1	<0.01	1	40	5	<0.01	2	<1
Y421063		0.49	<10	<1	0.11	20	0.01	129	<1	<0.01	1	40	10	<0.01	3	<1
Y421064		0.52	<10	<1	0.12	10	0.01	140	<1	<0.01	2	40	15	<0.01	3	<1
Y421065		0.52	<10	<1	0.14	20	0.02	125	<1	<0.01	1	50	12	<0.01	3	<1
Y421066		0.53	<10	<1	0.11	10	0.01	97	<1	<0.01	1	70	5	<0.01	2	<1
Y421067		0.63	<10	<1	0.08	20	0.04	108	<1	<0.01	2	50	10	<0.01	2	<1
Y421068		0.64	<10	1	0.10	10	0.01	148	1	<0.01	2	50	15	<0.01	6	<1
Y421069		0.60	<10	<1	0.09	10	0.03	84	1	0.02	1	40	11	<0.01	3	<1
Y421070		3.65	10	<1	0.23	10	0.88	602	24	0.20	167	570	308	0.42	5	3
Y421071		0.62	<10	<1	0.14	20	0.02	80	<1	0.01	1	70	9	<0.01	2	<1
Y421072		0.51	<10	<1	0.14	20	0.02	79	<1	0.03	<1	40	13	<0.01	2	<1
Y421073		0.64	<10	<1	0.14	20	0.02	106	<1	0.04	1	40	13	<0.01	<2	<1
Y421074		0.50	<10	<1	0.09	20	0.01	144	<1	<0.01	<1	30	7	<0.01	3	<1
Y421075		2.24	<10	1	0.10	10	0.07	599	1	<0.01	18	60	18	<0.01	6	5
Y421076		5.09	<10	1	0.07	<10	1.91	1290	<1	<0.01	59	90	16	0.22	11	23
Y421077		6.40	<10	3	0.16	<10	0.16	1635	1	<0.01	111	610	23	<0.01	19	30
Y421078		3.05	<10	2	0.14	10	0.04	768	1	<0.01	44	190	38	<0.01	12	12
Y421079		0.82	<10	<1	0.12	20	0.03	257	1	<0.01	2	50	16	<0.01	2	1
Y421080		3.28	10	<1	0.22	10	0.75	448	5	0.19	12	560	3	0.01	<2	3



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CERTIFICATE OF ANALYSIS WH18260985

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
Y421041		49	<20	<0.01	<10	40	28	<10
Y421042		44	<20	<0.01	<10	10	4	<10
Y421043		30	<20	<0.01	<10	10	6	<10
Y421044		33	20	<0.01	<10	10	6	<10
Y421045		37	<20	<0.01	<10	<10	5	<10
Y421046		25	<20	<0.01	<10	10	15	<10
Y421047		28	<20	<0.01	<10	30	37	<10
Y421048		14	20	<0.01	<10	10	7	<10
Y421049		15	<20	<0.01	<10	<10	5	<10
Y421050		67	<20	0.09	<10	<10	80	<10
Y421051		16	20	<0.01	<10	20	11	<10
Y421052		21	40	<0.01	<10	10	3	<10
Y421053		17	30	<0.01	<10	10	11	<10
Y421054		35	30	<0.01	<10	<10	10	<10
Y421055		25	30	<0.01	<10	<10	7	<10
Y421056		6	40	<0.01	<10	<10	3	<10
Y421057		9	40	0.01	<10	<10	9	<10
Y421058		12	40	<0.01	<10	<10	7	<10
Y421059		5	40	<0.01	<10	<10	1	<10
Y421060		79	<20	0.15	<10	<10	95	<10
Y421061		10	40	<0.01	<10	<10	4	<10
Y421062		6	40	<0.01	<10	<10	2	<10
Y421063		5	40	<0.01	<10	<10	2	<10
Y421064		12	40	<0.01	<10	<10	2	<10
Y421065		7	40	<0.01	<10	<10	2	<10
Y421066		11	30	<0.01	<10	<10	3	<10
Y421067		10	40	<0.01	<10	<10	2	<10
Y421068		10	40	<0.01	<10	<10	2	<10
Y421069		7	40	<0.01	<10	<10	2	<10
Y421070		81	<20	0.14	<10	<10	93	<10
Y421071		7	40	<0.01	<10	<10	1	<10
Y421072		6	40	<0.01	<10	<10	1	<10
Y421073		7	40	<0.01	<10	<10	<1	<10
Y421074		6	40	<0.01	<10	<10	1	<10
Y421075		40	30	<0.01	<10	10	28	<10
Y421076		235	<20	<0.01	<10	10	112	<10
Y421077		37	<20	0.01	<10	20	138	<10
Y421078		30	20	<0.01	<10	10	49	<10
Y421079		19	40	<0.01	<10	<10	3	<10
Y421080		79	<20	0.15	<10	<10	94	<10



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Sample Description	Method Analyte Units LOD	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
Y421081		1.70	<0.001		<0.2	0.50	17	<10	30	0.5	<2	2.13	<0.5	1	4	1
Y421082		2.57	<0.001		<0.2	0.50	11	<10	30	0.5	<2	1.31	<0.5	1	4	1
Y421083		2.59	<0.001		<0.2	0.41	9	<10	20	<0.5	<2	1.66	<0.5	2	5	4
Y421084		2.83	<0.001		<0.2	0.59	35	<10	10	0.9	<2	2.99	<0.5	9	32	9
Y421085		2.71	<0.001		<0.2	0.56	50	<10	10	0.9	<2	2.26	<0.5	8	30	8
Y421086		2.52	<0.001		<0.2	0.53	10	<10	20	0.7	<2	1.89	<0.5	3	7	5
Y421087		2.65	<0.001		<0.2	0.21	6	<10	10	<0.5	<2	0.36	<0.5	1	6	2
Y421088		2.61	<0.001		<0.2	0.26	4	<10	10	<0.5	<2	0.71	<0.5	1	5	2
Y421089		2.59	<0.001		<0.2	0.24	7	<10	30	0.5	<2	0.80	<0.5	2	6	8
Y421090		0.06	1.180	NSS	3.4	2.72	8	<10	100	<0.5	<2	1.96	0.8	17	106	230
Y421091		2.43	<0.001		<0.2	0.38	37	<10	40	0.6	<2	1.31	<0.5	2	5	4
Y421092		0.95	<0.001		<0.2	0.29	21	<10	30	0.5	<2	0.53	<0.5	1	5	5
Y421093		1.17	<0.001		<0.2	0.27	19	<10	30	0.5	<2	0.55	<0.5	1	5	5
Y421094		2.26	<0.001		<0.2	0.34	27	<10	30	0.5	<2	0.04	<0.5	1	5	8
Y421095		2.22	<0.001		<0.2	0.46	71	<10	30	0.5	<2	0.02	<0.5	1	4	8
Y421096		2.34	0.001		<0.2	0.62	93	<10	70	0.6	<2	0.02	<0.5	2	4	5
Y421097		2.82	0.031		<0.2	0.45	128	<10	70	0.5	<2	0.02	<0.5	2	6	<1
Y421098		2.27	0.013		<0.2	0.48	138	<10	30	0.5	<2	0.02	<0.5	1	4	<1
Y421099		2.35	0.006		<0.2	0.43	154	<10	40	0.5	<2	0.02	<0.5	3	5	<1
Y421100		0.06	0.003		<0.2	1.80	<2	<10	150	<0.5	<2	1.02	<0.5	9	25	99
Y421101		1.26	0.006		<0.2	0.44	110	<10	30	0.5	<2	0.02	<0.5	2	4	<1
Y421102		1.45	0.100		<0.2	0.66	1300	<10	190	1.8	<2	0.22	0.6	12	21	21
Y421103		1.88	0.012		<0.2	2.18	122	<10	1090	2.5	<2	5.19	0.6	26	166	70
Y421104		1.97	0.001		<0.2	3.81	49	<10	1080	1.6	<2	3.59	<0.5	30	239	35
Y421105		2.53	0.006		<0.2	2.23	544	<10	260	3.3	<2	0.37	<0.5	30	112	59
Y421106		2.33	0.006		<0.2	1.30	139	<10	160	1.2	<2	0.49	<0.5	11	72	9
Y421107		1.89	<0.001		<0.2	2.72	33	<10	230	<0.5	<2	0.63	<0.5	19	136	21
Y421108		2.20	0.016		<0.2	3.29	172	<10	240	2.1	<2	0.51	<0.5	24	149	7
Y421109		2.31	0.003		<0.2	1.03	47	<10	80	0.5	<2	0.21	<0.5	7	56	5
Y421110		0.06	5.82	NSS	1.0	2.54	531	<10	110	<0.5	2	2.03	0.8	46	824	101
Y421111		2.27	0.001		<0.2	3.64	43	<10	320	0.5	<2	0.92	<0.5	27	218	5
Y421112		2.51	<0.001		<0.2	3.31	19	<10	300	0.6	<2	0.83	<0.5	22	161	23
Y421113		2.33	0.006		<0.2	2.67	9	<10	260	0.5	<2	0.66	<0.5	18	58	10
Y421114		2.73	<0.001		<0.2	1.20	8	<10	90	<0.5	<2	0.36	<0.5	7	31	12
Y421115		1.79	<0.001		<0.2	3.32	11	<10	190	0.6	<2	0.73	<0.5	27	180	59
Y421116		2.54	<0.001		<0.2	4.24	11	<10	220	1.2	<2	1.01	<0.5	35	173	25
Y421117		2.11	<0.001		<0.2	2.46	6	<10	170	0.7	<2	0.60	<0.5	19	90	19
Y421118		2.09	<0.001		<0.2	3.29	7	<10	230	0.9	<2	1.27	<0.5	24	126	39
Y421119		1.45	<0.001		<0.2	1.89	4	<10	180	0.8	<2	1.91	<0.5	14	76	25
Y421120		0.06	<0.001		<0.2	1.76	<2	<10	140	<0.5	<2	1.00	<0.5	10	24	95



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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
Y421081		0.86	<10	<1	0.11	20	0.04	246	1	<0.01	1	30	11	<0.01	<2	1
Y421082		0.80	<10	<1	0.13	20	0.13	232	1	<0.01	1	20	19	<0.01	2	<1
Y421083		0.99	<10	<1	0.13	20	0.50	254	2	<0.01	1	20	18	0.01	2	1
Y421084		1.61	<10	<1	0.08	20	0.82	462	1	<0.01	14	50	16	0.02	2	5
Y421085		1.60	<10	<1	0.10	20	0.70	365	1	<0.01	15	90	16	0.09	4	4
Y421086		0.90	<10	<1	0.08	20	0.49	269	1	0.02	4	130	15	<0.01	3	1
Y421087		0.58	<10	<1	0.08	20	0.12	137	2	0.04	1	60	8	<0.01	<2	1
Y421088		0.62	<10	<1	0.08	10	0.21	167	2	0.03	1	40	4	<0.01	<2	1
Y421089		0.94	<10	<1	0.17	20	0.10	189	6	0.02	1	40	6	0.01	<2	1
Y421090		3.16	10	1	0.18	10	1.61	559	5	0.28	152	360	213	0.10	2	3
Y421091		0.90	<10	<1	0.14	20	0.06	235	3	<0.01	1	40	12	<0.01	<2	1
Y421092		0.68	<10	<1	0.11	10	0.02	129	1	0.02	1	40	7	<0.01	2	<1
Y421093		0.60	<10	<1	0.10	10	0.02	117	1	0.02	1	50	3	<0.01	2	<1
Y421094		0.56	<10	<1	0.13	20	0.02	114	1	0.02	1	40	6	<0.01	2	<1
Y421095		0.57	<10	<1	0.13	20	0.02	104	<1	<0.01	2	40	5	<0.01	3	<1
Y421096		0.68	<10	<1	0.07	10	0.01	123	<1	<0.01	4	40	8	<0.01	5	<1
Y421097		0.67	<10	<1	0.08	10	0.01	115	<1	<0.01	4	40	5	<0.01	7	<1
Y421098		0.67	<10	<1	0.09	20	0.01	126	<1	<0.01	3	50	7	<0.01	4	<1
Y421099		0.80	<10	<1	0.11	20	0.01	140	<1	<0.01	3	50	7	<0.01	6	<1
Y421100		3.53	10	<1	0.24	10	0.82	470	5	0.20	13	590	4	0.01	<2	3
Y421101		0.65	<10	<1	0.10	20	0.01	114	<1	<0.01	4	50	6	<0.01	5	<1
Y421102		2.35	<10	2	0.32	20	0.09	604	1	<0.01	36	550	14	<0.01	9	4
Y421103		4.43	10	<1	1.11	10	1.56	755	1	0.01	105	1280	16	0.03	6	16
Y421104		5.00	10	<1	1.78	10	3.50	909	<1	0.03	116	1630	6	0.03	3	21
Y421105		5.38	10	2	1.19	10	1.04	1260	2	0.01	66	1060	6	<0.01	9	18
Y421106		2.09	<10	1	0.52	10	0.69	454	1	0.04	38	540	4	<0.01	4	6
Y421107		3.43	10	<1	0.95	10	2.23	729	1	0.07	72	910	4	<0.01	<2	11
Y421108		3.97	10	1	1.06	20	2.53	831	1	0.01	96	1040	8	<0.01	4	14
Y421109		1.53	<10	1	0.40	20	0.67	273	<1	0.04	20	450	5	<0.01	2	4
Y421110		7.55	10	1	0.61	10	2.75	1290	5	0.06	492	480	21	1.00	<2	6
Y421111		4.27	10	<1	1.34	10	3.09	781	<1	0.07	109	1490	6	<0.01	<2	11
Y421112		3.88	10	<1	1.25	10	2.81	701	<1	0.06	77	1400	7	<0.01	<2	8
Y421113		3.77	10	<1	1.06	10	2.21	643	<1	0.05	36	1490	7	<0.01	<2	4
Y421114		1.49	<10	<1	0.53	20	0.90	280	<1	0.04	21	320	4	<0.01	<2	2
Y421115		4.09	10	<1	1.34	10	3.23	818	<1	0.06	78	760	8	<0.01	<2	7
Y421116		4.75	10	<1	1.71	<10	4.31	998	<1	0.04	86	790	5	<0.01	<2	6
Y421117		3.25	10	<1	1.18	10	2.22	732	<1	0.04	44	670	4	<0.01	<2	5
Y421118		3.96	10	1	1.59	10	3.06	840	<1	0.05	71	1140	5	<0.01	<2	6
Y421119		2.61	10	<1	0.86	20	1.76	628	<1	0.04	39	420	5	<0.01	<2	3
Y421120		3.42	10	<1	0.23	10	0.79	452	5	0.20	13	560	5	0.01	<2	3



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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
Y421081		31	40	<0.01	<10	<10	2	<10
Y421082		26	40	<0.01	<10	<10	1	<10
Y421083		53	40	<0.01	<10	<10	3	<10
Y421084		80	30	<0.01	<10	<10	22	<10
Y421085		74	30	<0.01	<10	10	21	<10
Y421086		65	40	<0.01	<10	10	8	<10
Y421087		22	30	<0.01	<10	<10	3	<10
Y421088		41	40	<0.01	<10	<10	3	<10
Y421089		30	40	<0.01	<10	<10	5	<10
Y421090		80	<20	0.11	<10	<10	68	<10
Y421091		23	30	<0.01	<10	<10	2	<10
Y421092		16	40	<0.01	<10	<10	1	<10
Y421093		15	40	<0.01	<10	<10	1	<10
Y421094		6	40	<0.01	<10	<10	1	<10
Y421095		6	40	<0.01	<10	<10	2	<10
Y421096		9	40	<0.01	<10	<10	2	<10
Y421097		10	30	<0.01	<10	<10	3	<10
Y421098		11	40	<0.01	<10	<10	3	<10
Y421099		14	40	<0.01	<10	<10	4	<10
Y421100		86	<20	0.16	<10	<10	100	<10
Y421101		11	40	<0.01	<10	<10	2	<10
Y421102		46	30	<0.01	<10	20	22	<10
Y421103		106	<20	0.07	<10	10	96	<10
Y421104		141	<20	0.13	<10	<10	136	<10
Y421105		33	<20	0.09	<10	10	100	<10
Y421106		34	30	0.05	<10	<10	43	<10
Y421107		41	20	0.11	<10	<10	85	<10
Y421108		28	<20	0.06	<10	<10	90	<10
Y421109		19	40	0.03	<10	<10	28	<10
Y421110		71	<20	0.09	<10	<10	82	<10
Y421111		58	<20	0.18	<10	<10	111	<10
Y421112		60	<20	0.17	<10	<10	104	<10
Y421113		45	<20	0.11	<10	<10	73	<10
Y421114		39	30	0.06	<10	<10	30	<10
Y421115		69	<20	0.21	<10	<10	91	<10
Y421116		91	<20	0.30	<10	<10	90	<10
Y421117		42	<20	0.20	<10	<10	63	<10
Y421118		61	<20	0.23	<10	<10	90	<10
Y421119		113	30	0.13	<10	<10	51	<10
Y421120		84	<20	0.16	<10	<10	97	<10



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Sample Description	Method Analyte Units LOD	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
Y421121		1.30	<0.001		<0.2	0.88	16	<10	160	0.8	<2	1.50	<0.5	7	45	12
Y421122		1.51	<0.001		0.2	2.60	7	<10	590	0.8	<2	2.83	<0.5	17	102	13
Y421123		2.34	<0.001		<0.2	1.42	7	<10	110	1.0	<2	1.32	<0.5	11	66	14
Y421124		2.72	<0.001		<0.2	1.74	11	<10	130	0.6	2	0.49	<0.5	11	35	14
Y421125		2.29	0.003		<0.2	2.96	25	<10	210	1.1	<2	0.47	<0.5	22	112	14
Y421126		2.50	<0.001		<0.2	2.14	11	<10	200	1.6	<2	2.68	<0.5	17	107	27
Y421127		2.64	<0.001		<0.2	3.35	6	<10	380	1.4	3	3.44	<0.5	27	99	24
Y421128		2.52	<0.001		<0.2	0.69	3	<10	50	0.6	<2	1.08	<0.5	4	10	6
Y421129		2.68	<0.001		<0.2	0.46	7	<10	170	0.6	<2	1.69	<0.5	4	7	6
Y421130		0.06	0.775	0.71	<0.2	2.57	4	<10	90	<0.5	<2	1.86	<0.5	13	96	158
Y421131		2.59	0.004		<0.2	0.24	39	<10	20	<0.5	<2	0.35	<0.5	1	7	4
Y421132		2.53	0.750	0.56	<0.2	1.05	1350	<10	160	1.3	<2	1.79	<0.5	12	35	19
Y421133		2.37	<0.001		<0.2	0.50	17	<10	70	<0.5	<2	1.15	<0.5	2	8	2
Y421134		2.54	0.001		<0.2	0.15	14	<10	10	<0.5	<2	0.57	<0.5	<1	6	5
Y421135		2.59	<0.001		<0.2	0.20	7	<10	10	<0.5	<2	0.49	<0.5	1	6	9
Y421136		2.62	0.012		<0.2	0.16	9	<10	10	<0.5	<2	0.59	<0.5	1	7	14
Y421137		2.53	<0.001		<0.2	0.21	4	<10	10	<0.5	<2	0.52	<0.5	<1	10	7
Y421138		1.52	<0.001		<0.2	0.17	34	<10	10	<0.5	<2	0.47	<0.5	2	7	5
Y421139		1.70	0.019		<0.2	0.91	511	<10	100	1.3	<2	2.48	<0.5	10	10	20
Y421140		0.06	<0.001		<0.2	1.72	2	<10	140	<0.5	3	0.98	<0.5	10	23	96
Y421141		1.85	<0.001		<0.2	2.21	4	<10	550	0.5	<2	2.29	<0.5	15	74	20
Y421142		2.65	<0.001		<0.2	0.68	4	<10	20	<0.5	<2	0.44	<0.5	3	9	7
Y421143		2.42	<0.001		<0.2	0.89	4	<10	30	<0.5	<2	0.68	<0.5	4	10	2
Y421144		1.30	<0.001		<0.2	3.59	5	<10	370	0.9	<2	2.71	<0.5	23	87	17
Y421145		1.17	<0.001		<0.2	3.58	7	<10	370	1.0	<2	2.71	<0.5	25	75	20
Y421146		2.75	<0.001		<0.2	3.46	4	<10	240	1.0	4	4.48	<0.5	28	165	22
Y421147		2.77	<0.001		<0.2	3.07	3	<10	270	0.6	3	3.15	<0.5	27	117	33



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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
Y421121		1.96	10	<1	0.49	20	0.63	373	1	0.05	14	220	7	<0.01	<2	4
Y421122		3.33	10	1	1.27	20	2.36	826	<1	0.06	61	510	10	0.02	<2	11
Y421123		2.27	<10	<1	1.02	10	1.12	533	<1	0.05	23	320	6	<0.01	<2	4
Y421124		2.61	10	<1	0.71	20	1.39	471	<1	0.05	17	580	29	0.01	<2	6
Y421125		3.96	10	<1	1.04	10	2.72	772	<1	0.04	67	790	11	<0.01	2	9
Y421126		3.00	10	<1	1.60	20	1.81	766	<1	0.05	39	490	10	<0.01	<2	6
Y421127		4.40	10	<1	2.62	10	2.94	889	<1	0.03	41	830	4	0.02	<2	6
Y421128		1.44	<10	<1	0.51	20	0.41	268	2	0.05	2	390	3	0.07	<2	2
Y421129		1.33	<10	<1	0.26	30	0.32	286	3	0.03	2	400	6	0.10	<2	1
Y421130		2.46	10	<1	0.18	10	1.34	419	3	0.28	138	360	10	0.07	<2	2
Y421131		0.53	<10	<1	0.11	20	0.02	102	<1	0.04	1	70	8	<0.01	3	<1
Y421132		2.46	<10	1	0.65	10	0.66	456	1	0.01	11	610	36	0.46	8	5
Y421133		1.02	<10	<1	0.31	10	0.27	250	<1	0.04	1	350	4	0.02	<2	1
Y421134		0.34	<10	<1	0.09	10	0.02	121	1	0.04	<1	30	4	<0.01	<2	<1
Y421135		0.50	<10	<1	0.13	10	0.02	111	3	0.04	<1	30	4	0.01	<2	<1
Y421136		0.38	<10	<1	0.11	20	0.03	124	4	0.03	<1	40	4	0.02	<2	<1
Y421137		0.52	<10	<1	0.14	20	0.05	125	3	0.04	<1	50	5	0.02	<2	<1
Y421138		0.61	<10	<1	0.06	10	0.10	124	4	0.04	<1	40	7	0.02	<2	<1
Y421139		2.39	<10	<1	0.33	20	0.27	595	8	0.02	16	580	7	0.01	6	3
Y421140		3.27	10	<1	0.23	10	0.75	438	5	0.19	11	540	3	0.02	<2	3
Y421141		3.10	10	<1	0.79	20	2.04	593	3	0.03	52	560	3	0.04	2	9
Y421142		1.34	<10	<1	0.22	30	0.42	234	2	0.06	2	280	<2	<0.01	<2	1
Y421143		1.52	10	<1	0.28	30	0.65	343	<1	0.04	3	490	4	0.01	<2	2
Y421144		4.86	10	<1	2.58	10	2.94	933	<1	0.07	46	1280	4	0.01	<2	6
Y421145		5.03	10	1	2.71	10	2.93	911	<1	0.05	43	1370	5	0.01	<2	6
Y421146		4.35	10	<1	2.57	10	3.31	976	1	0.04	46	690	7	0.02	<2	7
Y421147		3.92	10	<1	2.21	<10	3.00	768	1	0.04	39	820	6	0.17	<2	5



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Project: Coffee

CERTIFICATE OF ANALYSIS WH18260985

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
Y421121		115	50	0.05	<10	<10	23	<10
Y421122		131	30	0.11	<10	<10	82	<10
Y421123		61	30	0.10	<10	<10	34	<10
Y421124		28	30	0.05	<10	<10	51	<10
Y421125		44	20	0.11	<10	<10	81	<10
Y421126		209	30	0.15	<10	<10	51	<10
Y421127		129	<20	0.26	<10	<10	82	<10
Y421128		44	30	0.05	<10	<10	19	<10
Y421129		116	30	0.01	<10	10	12	<10
Y421130		73	<20	0.09	<10	<10	64	<10
Y421131		14	40	<0.01	<10	<10	1	<10
Y421132		68	20	0.04	<10	10	35	<10
Y421133		63	30	0.02	<10	<10	12	<10
Y421134		15	30	<0.01	<10	<10	1	<10
Y421135		15	40	<0.01	<10	<10	<1	<10
Y421136		17	40	<0.01	<10	<10	<1	<10
Y421137		20	30	<0.01	<10	10	1	<10
Y421138		20	30	<0.01	<10	<10	1	<10
Y421139		41	20	0.01	<10	10	21	<10
Y421140		82	<20	0.15	<10	<10	94	<10
Y421141		91	20	0.08	<10	<10	68	<10
Y421142		15	30	0.02	<10	<10	12	<10
Y421143		21	30	0.04	<10	<10	19	<10
Y421144		82	<20	0.29	<10	<10	111	<10
Y421145		85	<20	0.29	<10	<10	112	<10
Y421146		83	<20	0.29	<10	<10	98	<10
Y421147		72	<20	0.30	<10	<10	95	<10



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CERTIFICATE OF ANALYSIS WH18260985

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