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

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Total # Pages: 4 (A - C)  
Plus Appendix Pages  
Finalized Date: 1-NOV-2018  
Account: KAMGOL

**CERTIFICATE WH18260923**

Project: Coffee

P.O. No.: KGC-18-1647

This report is for 110 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 WH18260923**

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
Y420832		1.29	0.003		<0.2	0.46	137	<10	50	0.5	<2	0.05	<0.5	3	3	9
Y420833		1.68	<0.001		<0.2	0.41	74	<10	180	<0.5	<2	0.04	<0.5	2	3	5
Y420834		1.68	<0.001		<0.2	0.52	34	<10	270	<0.5	<2	0.08	<0.5	4	4	4
Y420835		2.99	<0.001		<0.2	0.59	100	<10	240	0.5	<2	0.09	<0.5	12	2	4
Y420836		2.18	<0.001		<0.2	0.61	57	<10	80	<0.5	<2	0.07	<0.5	5	4	2
Y420837		1.88	<0.001		<0.2	0.77	97	<10	80	0.5	2	0.12	<0.5	6	10	4
Y420838		2.10	<0.001		<0.2	0.63	49	<10	60	<0.5	<2	0.11	<0.5	4	4	4
Y420839		2.10	<0.001		<0.2	0.70	17	<10	120	<0.5	<2	0.15	<0.5	4	14	9
Y420840		0.06	0.001		<0.2	1.72	4	<10	140	<0.5	<2	0.98	<0.5	10	24	97
Y420841		1.95	<0.001		<0.2	1.23	20	<10	240	0.6	<2	0.33	<0.5	8	26	9
Y420842		2.34	<0.001		<0.2	1.77	35	<10	400	0.7	<2	0.52	<0.5	16	51	31
Y420843		2.02	<0.001		<0.2	2.00	17	<10	680	0.6	<2	0.58	<0.5	12	20	15
Y420844		2.50	<0.001		<0.2	1.85	8	<10	450	0.5	<2	0.72	<0.5	12	1	24
Y420845		2.66	<0.001		<0.2	2.05	7	<10	400	0.5	<2	1.07	<0.5	12	3	5
Y420846		2.32	<0.001		<0.2	2.06	10	<10	400	0.5	<2	1.15	<0.5	16	4	13
Y420847		2.31	<0.001		<0.2	2.16	14	<10	530	0.5	<2	0.67	<0.5	16	5	34
Y420848		2.03	<0.001		<0.2	2.48	9	<10	620	0.5	<2	1.39	<0.5	22	9	31
Y420849		2.47	<0.001		<0.2	1.93	5	<10	280	<0.5	<2	2.53	<0.5	20	147	17
Y420850		0.06	0.984	1.06	3.1	2.66	8	<10	90	<0.5	<2	1.91	<0.5	16	102	219
Y420851		2.09	<0.001		<0.2	1.83	4	<10	270	0.5	<2	2.20	<0.5	17	105	8
Y420852		2.19	<0.001		<0.2	1.81	6	<10	450	<0.5	<2	3.19	<0.5	19	183	9
Y420853		2.15	<0.001		<0.2	0.57	13	<10	60	<0.5	<2	0.72	<0.5	4	5	4
Y420854		2.27	<0.001		<0.2	0.30	16	<10	40	<0.5	<2	0.18	<0.5	3	4	6
Y420855		2.44	<0.001		<0.2	1.70	14	<10	280	0.9	<2	1.33	<0.5	16	83	15
Y420856		2.00	<0.001		<0.2	0.94	16	<10	120	0.5	<2	0.87	<0.5	8	31	9
Y420857		1.86	<0.001		<0.2	0.55	13	<10	60	<0.5	<2	1.08	<0.5	4	4	3
Y420858		0.98	<0.001		<0.2	0.57	29	<10	1020	<0.5	<2	0.22	<0.5	5	4	7
Y420859		1.27	0.003		<0.2	3.68	194	<10	480	2.6	2	0.81	<0.5	34	519	18
Y420860		0.06	<0.001		<0.2	1.74	2	<10	140	<0.5	<2	0.99	<0.5	9	24	96
Y420861		2.01	<0.001		<0.2	1.40	111	<10	180	1.3	<2	0.25	<0.5	8	118	7
Y420862		1.86	0.001		<0.2	0.47	42	<10	70	0.6	<2	0.06	<0.5	3	5	5
Y420863		1.94	0.001		<0.2	0.75	62	<10	120	0.7	8	0.15	<0.5	6	35	10
Y420864		2.51	<0.001		<0.2	1.94	7	<10	1580	0.7	<2	3.30	<0.5	21	115	10
Y420865		2.22	<0.001		<0.2	1.71	7	<10	710	<0.5	<2	4.17	<0.5	17	108	8
Y420866		2.18	<0.001		<0.2	1.78	7	<10	720	<0.5	<2	2.36	<0.5	18	64	8
Y420867		2.27	<0.001		<0.2	1.66	4	<10	1640	<0.5	<2	1.82	<0.5	22	310	10
Y420868		1.17	<0.001		<0.2	1.26	6	<10	1100	0.6	<2	2.43	<0.5	17	79	10
Y420869		1.51	0.002		<0.2	1.27	35	<10	140	1.2	<2	0.72	<0.5	15	59	9
Y420870		0.06	6.22	6.23	0.8	2.40	496	<10	110	<0.5	<2	1.93	<0.5	42	780	95
Y420871		2.47	0.001		<0.2	1.76	135	<10	220	2.6	<2	0.53	<0.5	18	68	2



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**CERTIFICATE OF ANALYSIS WH18260923**

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
Y420832		0.91	<10	<1	0.15	40	0.03	69	1	0.03	2	160	6	0.01	2	1
Y420833		0.91	<10	<1	0.18	50	0.06	60	2	0.03	2	260	5	0.01	<2	1
Y420834		1.15	<10	<1	0.26	50	0.13	138	4	0.06	2	390	3	0.01	<2	1
Y420835		1.23	<10	<1	0.24	70	0.12	401	4	0.03	4	320	6	0.01	<2	1
Y420836		0.98	<10	<1	0.31	50	0.17	184	2	0.02	3	260	<2	<0.01	<2	1
Y420837		1.36	<10	<1	0.40	80	0.31	249	2	0.03	6	380	2	0.01	3	2
Y420838		1.13	<10	<1	0.29	40	0.23	148	2	0.06	3	280	3	0.01	<2	1
Y420839		1.17	<10	<1	0.41	10	0.38	193	2	0.05	6	340	<2	0.01	2	1
Y420840		3.36	<10	<1	0.23	10	0.77	444	5	0.20	12	540	3	0.02	<2	3
Y420841		1.60	<10	<1	0.69	30	0.93	247	2	0.05	16	430	<2	0.01	<2	2
Y420842		2.57	<10	<1	0.97	50	1.47	440	1	0.03	42	680	4	0.01	<2	5
Y420843		3.55	10	<1	1.41	30	1.29	431	3	0.06	7	1190	2	0.07	<2	3
Y420844		3.91	10	<1	1.40	30	1.06	396	4	0.04	1	1590	2	0.28	<2	2
Y420845		3.38	10	<1	1.31	30	1.35	411	2	0.06	2	1720	2	0.03	<2	2
Y420846		3.74	10	<1	1.35	20	1.25	345	2	0.05	1	2030	<2	0.02	<2	2
Y420847		4.68	10	<1	1.62	20	1.28	374	4	0.04	3	1900	<2	0.08	<2	3
Y420848		4.40	10	<1	1.65	20	1.87	575	3	0.07	11	1770	<2	0.14	<2	4
Y420849		2.66	10	<1	0.88	10	1.91	551	1	0.08	54	550	3	0.08	2	4
Y420850		3.06	10	<1	0.17	10	1.54	534	5	0.28	142	350	200	0.10	<2	3
Y420851		2.45	10	<1	0.89	10	1.70	485	1	0.09	55	730	3	0.09	<2	4
Y420852		2.52	10	<1	1.20	10	2.00	677	2	0.05	61	450	6	0.04	<2	3
Y420853		0.98	<10	<1	0.36	40	0.27	202	<1	0.05	2	220	4	0.01	<2	1
Y420854		0.85	<10	<1	0.19	40	0.09	105	1	0.03	1	160	5	0.01	<2	<1
Y420855		2.49	10	<1	1.23	20	1.54	427	1	0.05	44	460	<2	0.01	<2	3
Y420856		1.46	<10	<1	0.65	30	0.76	277	1	0.04	20	310	<2	0.01	<2	2
Y420857		0.94	<10	<1	0.35	20	0.22	212	1	0.05	4	180	2	0.01	<2	<1
Y420858		1.10	<10	<1	0.37	40	0.36	201	1	0.03	4	280	2	0.03	<2	1
Y420859		5.04	10	<1	1.81	40	4.03	1555	1	0.02	88	800	13	0.01	<2	26
Y420860		3.40	10	<1	0.23	10	0.78	448	5	0.19	12	550	2	0.02	<2	3
Y420861		2.07	<10	<1	0.71	30	1.16	649	<1	0.02	18	360	3	0.01	<2	8
Y420862		0.92	<10	<1	0.30	30	0.18	224	1	0.03	2	190	2	0.01	<2	<1
Y420863		1.24	<10	<1	0.38	30	0.48	257	1	0.03	12	230	3	0.01	<2	2
Y420864		2.67	10	<1	1.18	<10	1.69	543	<1	0.05	46	690	<2	0.06	<2	4
Y420865		2.53	10	<1	1.26	10	1.67	763	1	0.04	31	480	<2	0.13	<2	3
Y420866		2.21	<10	<1	1.01	10	1.60	450	1	0.05	38	520	4	0.06	<2	3
Y420867		1.87	<10	<1	1.03	<10	1.84	316	<1	0.04	78	480	<2	0.08	<2	3
Y420868		1.85	<10	<1	0.51	<10	1.10	324	1	0.05	38	540	<2	0.04	<2	6
Y420869		2.16	<10	<1	0.50	10	0.81	447	1	0.04	33	680	2	0.01	3	10
Y420870		7.13	10	<1	0.58	10	2.62	1205	5	0.06	451	450	19	0.94	4	6
Y420871		4.12	10	<1	0.69	10	1.10	840	1	0.02	66	580	3	0.01	7	18



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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
Y420832		7	30	<0.01	<10	<10	3	<10
Y420833		6	30	0.01	<10	<10	3	<10
Y420834		10	30	0.02	<10	<10	6	<10
Y420835		9	30	0.02	<10	<10	4	<10
Y420836		6	30	0.02	<10	<10	3	<10
Y420837		8	30	0.04	<10	<10	9	<10
Y420838		9	30	0.02	<10	<10	5	<10
Y420839		11	30	0.05	<10	<10	9	<10
Y420840		80	<20	0.15	<10	<10	95	<10
Y420841		24	20	0.10	<10	<10	21	<10
Y420842		30	20	0.16	<10	<10	52	<10
Y420843		36	20	0.25	<10	<10	36	<10
Y420844		38	<20	0.28	<10	<10	28	<10
Y420845		47	<20	0.23	<10	<10	33	<10
Y420846		63	<20	0.24	<10	<10	37	<10
Y420847		39	<20	0.26	<10	<10	35	<10
Y420848		40	<20	0.24	<10	<10	68	<10
Y420849		41	<20	0.12	<10	<10	46	<10
Y420850		76	<20	0.10	<10	<10	65	<10
Y420851		46	<20	0.17	<10	<10	43	<10
Y420852		53	<20	0.18	<10	<10	41	<10
Y420853		19	30	0.02	<10	<10	4	<10
Y420854		10	40	0.01	<10	<10	2	<10
Y420855		47	20	0.16	<10	<10	41	<10
Y420856		30	30	0.08	<10	<10	19	<10
Y420857		18	40	0.02	<10	<10	3	<10
Y420858		14	30	0.03	<10	<10	5	<10
Y420859		35	<20	0.25	<10	<10	119	<10
Y420860		82	<20	0.15	<10	<10	95	<10
Y420861		19	30	0.08	<10	<10	43	<10
Y420862		8	40	0.01	<10	<10	7	<10
Y420863		13	30	0.04	<10	<10	14	<10
Y420864		88	<20	0.23	<10	<10	50	<10
Y420865		84	<20	0.15	<10	<10	38	<10
Y420866		64	<20	0.21	<10	<10	45	<10
Y420867		60	<20	0.17	<10	<10	38	<10
Y420868		74	<20	0.21	<10	<10	55	<10
Y420869		41	<20	0.13	<10	<10	59	<10
Y420870		66	<20	0.09	<10	<10	77	<10
Y420871		26	<20	0.05	<10	<10	99	<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
Y420872		1.44	0.001		<0.2	2.78	158	<10	440	3.9	<2	0.56	<0.5	40	210	2
Y420873		1.40	<0.001		<0.2	2.05	457	<10	220	2.9	<2	0.28	<0.5	46	125	2
Y420874		1.78	<0.001		<0.2	0.81	200	<10	30	0.9	<2	0.12	<0.5	14	4	23
Y420875		2.21	0.005		<0.2	0.60	382	<10	200	0.7	<2	0.09	<0.5	7	5	10
Y420876		1.99	0.003		<0.2	0.72	882	<10	300	0.8	<2	0.07	<0.5	4	5	5
Y420877		2.59	0.005		<0.2	0.72	193	<10	50	0.5	<2	0.05	<0.5	3	3	6
Y420878		1.73	0.004		<0.2	1.09	161	<10	40	0.8	<2	0.10	<0.5	3	6	7
Y420879		2.51	0.001		<0.2	0.85	336	<10	60	0.9	<2	0.08	<0.5	3	4	5
Y420880		0.06	<0.001		<0.2	2.03	2	<10	150	<0.5	<2	1.20	<0.5	10	24	104
Y420881		2.18	<0.001		<0.2	0.49	72	<10	40	0.6	<2	0.07	<0.5	3	3	4
Y420882		1.16	<0.001		<0.2	0.63	65	<10	40	0.5	<2	0.05	<0.5	2	3	4
Y420883		1.11	<0.001		<0.2	0.55	56	<10	30	0.5	<2	0.05	<0.5	2	3	3
Y420884		2.06	<0.001		<0.2	0.64	148	<10	40	0.6	<2	0.03	<0.5	2	5	9
Y420885		2.02	<0.001		<0.2	0.51	177	<10	40	0.6	<2	0.04	<0.5	2	4	2
Y420886		2.02	0.004		<0.2	0.69	288	<10	100	0.9	<2	0.04	<0.5	2	5	1
Y420887		2.01	0.003		<0.2	0.51	353	<10	50	0.7	<2	0.05	<0.5	1	4	2
Y420888		1.86	0.003		<0.2	0.55	514	<10	40	0.7	<2	0.06	<0.5	2	6	5
Y420889		2.09	0.006		<0.2	0.66	234	<10	70	0.6	<2	0.06	<0.5	2	4	3
Y420890		0.06	0.731	0.79	0.2	3.08	4	<10	100	<0.5	<2	2.27	<0.5	16	110	171
Y420891		2.29	0.001		<0.2	0.75	348	<10	60	0.7	<2	0.05	<0.5	2	4	3
Y420892		1.81	0.021		<0.2	0.67	347	<10	40	0.6	<2	0.05	<0.5	2	4	6
Y420893		1.26	0.163		<0.2	0.57	1705	10	50	1.0	<2	0.10	<0.5	3	13	16
Y420894		1.32	0.016		<0.2	0.49	622	<10	70	0.7	<2	0.06	<0.5	2	6	8
Y420895		2.06	0.008		<0.2	0.62	453	<10	40	0.8	<2	0.04	<0.5	1	8	2
Y420896		1.67	0.077		<0.2	0.51	727	10	60	0.9	<2	0.09	<0.5	4	15	6
Y420897		2.10	1.510	<0.03	<0.2	0.78	389	<10	90	1.1	<2	0.04	<0.5	3	4	4
Y420898		2.12	0.002		<0.2	0.57	227	10	70	0.8	<2	0.04	<0.5	1	3	1
Y420899		1.92	0.019		<0.2	0.67	496	<10	70	1.1	<2	0.04	<0.5	2	7	4
Y420900		0.06	<0.001		<0.2	2.03	4	<10	150	<0.5	2	1.19	<0.5	10	24	103
Y420901		1.84	0.014		<0.2	0.54	416	<10	70	1.1	<2	0.05	<0.5	2	6	3
Y420902		1.98	0.032		<0.2	0.79	604	<10	120	1.4	<2	0.08	<0.5	6	7	11
Y420903		1.79	0.043		<0.2	0.50	2010	<10	150	1.8	<2	0.12	<0.5	5	15	14
Y420904		2.19	2.15	1.89	<0.2	0.49	1295	10	70	1.6	<2	0.07	<0.5	2	15	3
Y420905		2.46	0.052		<0.2	0.50	400	10	70	1.0	<2	0.05	<0.5	2	6	4
Y420906		2.12	0.024		0.2	0.51	412	10	100	1.1	<2	0.04	<0.5	2	8	2
Y420907		2.48	0.579	0.55	<0.2	0.38	265	10	60	0.7	<2	0.03	<0.5	3	5	2
Y420908		2.09	0.010		<0.2	0.61	562	10	40	0.9	<2	0.06	<0.5	1	3	4
Y420909		2.00	0.072		<0.2	0.64	855	10	140	1.1	<2	0.07	<0.5	6	5	2
Y420910		0.06	0.146		0.6	0.81	81	10	270	0.5	2	13.3	0.7	5	17	10
Y420911		1.65	0.041		0.5	0.53	777	10	110	0.9	<2	0.06	<0.5	3	6	3



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**CERTIFICATE OF ANALYSIS WH18260923**

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
Y420872		6.05	10	<1	1.28	30	1.73	1500	1	0.01	135	640	6	0.01	9	16
Y420873		4.31	10	<1	0.87	50	1.02	706	<1	0.01	74	520	4	0.01	56	10
Y420874		1.13	<10	<1	0.17	30	0.12	89	<1	0.01	14	140	3	0.01	21	1
Y420875		1.65	<10	<1	0.16	20	0.09	559	1	0.03	3	90	4	0.01	13	1
Y420876		1.77	<10	<1	0.16	40	0.08	886	1	<0.01	4	130	5	0.01	70	1
Y420877		0.89	<10	<1	0.19	40	0.06	136	<1	0.01	3	80	6	0.01	14	<1
Y420878		0.93	<10	<1	0.33	30	0.22	85	1	0.02	3	160	8	<0.01	8	1
Y420879		1.22	<10	1	0.31	50	0.15	159	2	0.03	3	180	6	<0.01	15	1
Y420880		3.65	10	<1	0.25	10	0.84	486	5	0.26	13	560	3	0.01	<2	4
Y420881		0.73	<10	<1	0.20	30	0.08	102	<1	0.04	3	160	12	<0.01	3	<1
Y420882		0.59	<10	1	0.20	30	0.05	82	<1	0.03	2	140	3	<0.01	2	<1
Y420883		0.52	<10	<1	0.18	20	0.06	74	1	0.03	3	140	3	<0.01	2	<1
Y420884		0.64	<10	<1	0.21	20	0.03	133	1	0.02	4	100	7	<0.01	4	<1
Y420885		0.68	<10	<1	0.14	20	0.02	151	1	0.01	4	140	6	<0.01	5	1
Y420886		0.96	<10	<1	0.22	20	0.03	378	1	0.01	7	130	22	<0.01	10	<1
Y420887		0.79	<10	1	0.14	20	0.02	161	<1	0.01	2	160	6	<0.01	9	1
Y420888		0.96	<10	<1	0.16	30	0.02	56	1	0.02	2	190	6	<0.01	29	1
Y420889		0.71	<10	1	0.16	30	0.03	238	1	0.02	2	180	6	<0.01	8	1
Y420890		2.76	10	<1	0.20	10	1.55	484	3	0.37	155	390	12	0.07	2	3
Y420891		0.97	<10	<1	0.21	30	0.02	150	2	0.02	2	150	10	<0.01	12	1
Y420892		0.63	<10	<1	0.20	20	0.02	61	1	0.02	3	120	8	<0.01	14	<1
Y420893		2.29	<10	1	0.20	30	0.03	35	3	0.01	9	230	16	<0.01	80	<1
Y420894		1.05	<10	1	0.16	30	0.02	167	1	0.01	3	170	7	<0.01	25	<1
Y420895		1.03	<10	1	0.20	30	0.02	66	1	0.01	3	130	7	<0.01	20	<1
Y420896		1.35	<10	1	0.22	20	0.03	57	1	0.01	6	240	9	<0.01	50	1
Y420897		1.11	<10	1	0.19	20	0.02	299	1	0.01	4	110	20	<0.01	15	<1
Y420898		0.67	<10	<1	0.20	30	0.03	233	1	0.01	3	100	9	<0.01	10	<1
Y420899		1.28	<10	<1	0.24	20	0.03	138	1	0.02	5	120	26	<0.01	24	<1
Y420900		3.61	10	<1	0.25	10	0.83	482	5	0.26	14	560	4	0.01	2	4
Y420901		1.06	<10	1	0.19	20	0.03	179	1	0.01	4	170	18	<0.01	19	1
Y420902		1.79	<10	1	0.23	20	0.04	400	1	0.02	7	300	36	<0.01	30	2
Y420903		3.07	<10	1	0.18	20	0.03	126	3	0.01	10	290	64	<0.01	86	1
Y420904		2.10	<10	1	0.23	20	0.03	33	2	0.01	7	130	28	<0.01	56	<1
Y420905		0.97	<10	1	0.17	20	0.02	83	2	0.01	4	80	37	<0.01	14	1
Y420906		1.06	<10	1	0.21	10	0.02	147	1	0.01	6	80	54	<0.01	19	<1
Y420907		0.72	<10	<1	0.23	20	0.02	137	1	0.01	5	60	45	<0.01	13	<1
Y420908		0.84	<10	<1	0.21	10	0.02	42	4	0.02	4	90	31	<0.01	17	1
Y420909		1.16	<10	1	0.13	10	0.02	417	2	0.01	8	110	28	<0.01	22	1
Y420910		1.04	<10	<1	0.40	10	3.53	221	3	0.04	22	260	10	0.03	23	3
Y420911		1.21	<10	1	0.11	10	0.02	295	2	0.01	8	130	15	<0.01	16	1



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Project: Coffee

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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
Y420872		33	<20	0.08	<10	<10	88	<10
Y420873		25	20	0.06	<10	10	56	<10
Y420874		38	30	0.01	<10	10	5	<10
Y420875		17	30	0.01	<10	<10	5	<10
Y420876		10	40	0.01	<10	20	7	<10
Y420877		9	40	<0.01	<10	10	3	<10
Y420878		8	40	0.02	<10	10	8	<10
Y420879		9	40	0.01	<10	10	5	<10
Y420880		104	<20	0.17	<10	<10	101	<10
Y420881		9	40	0.01	<10	<10	3	<10
Y420882		7	40	<0.01	<10	<10	3	<10
Y420883		6	40	<0.01	<10	<10	2	<10
Y420884		13	40	<0.01	<10	<10	4	<10
Y420885		10	40	<0.01	<10	<10	4	<10
Y420886		8	40	<0.01	<10	10	6	<10
Y420887		8	40	<0.01	<10	10	6	<10
Y420888		10	40	<0.01	<10	10	7	<10
Y420889		7	40	<0.01	<10	<10	5	<10
Y420890		94	<20	0.11	<10	<10	72	<10
Y420891		8	40	<0.01	<10	10	3	<10
Y420892		11	40	<0.01	<10	10	4	<10
Y420893		35	40	<0.01	<10	50	13	<10
Y420894		16	40	<0.01	<10	10	7	<10
Y420895		12	40	<0.01	<10	20	7	<10
Y420896		22	30	<0.01	<10	20	12	<10
Y420897		34	40	<0.01	<10	10	7	<10
Y420898		20	40	<0.01	<10	10	4	<10
Y420899		26	40	<0.01	<10	20	9	<10
Y420900		104	<20	0.17	<10	<10	100	<10
Y420901		46	30	<0.01	<10	10	9	<10
Y420902		59	30	<0.01	<10	20	15	<10
Y420903		48	20	<0.01	<10	60	26	<10
Y420904		44	30	<0.01	<10	40	16	<10
Y420905		44	30	<0.01	<10	20	7	<10
Y420906		23	30	<0.01	<10	20	8	<10
Y420907		16	30	<0.01	<10	10	4	<10
Y420908		66	30	<0.01	<10	20	4	<10
Y420909		55	40	<0.01	<10	30	7	<10
Y420910		158	<20	0.02	<10	<10	53	20
Y420911		84	30	<0.01	<10	20	8	<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
Y420912		1.34	0.110		<0.2	1.28	1455	10	350	2.3	<2	0.09	<0.5	25	10	19
Y420913		1.55	2.89	2.96	0.2	0.75	3510	10	500	2.6	<2	0.15	<0.5	28	15	19
Y420914		1.88	4.72	4.02	0.2	0.39	629	10	170	1.2	<2	0.05	<0.5	12	9	6
Y420915		1.98	1.015	0.95	<0.2	0.57	1325	<10	320	1.7	<2	0.13	<0.5	20	57	19
Y420916		1.64	0.043		<0.2	1.79	1100	<10	290	2.4	<2	0.35	<0.5	37	142	52
Y420917		2.02	0.007		<0.2	2.94	520	<10	190	2.1	<2	0.50	<0.5	28	218	43
Y420918		2.36	0.001		<0.2	3.43	13	<10	1250	0.8	<2	2.45	<0.5	25	187	22
Y420919		2.73	<0.001		<0.2	3.07	6	<10	530	1.0	<2	3.62	<0.5	24	241	44
Y420920		0.06	<0.001		<0.2	1.87	3	<10	140	<0.5	<2	1.08	<0.5	9	23	98
Y420921		1.96	<0.001		<0.2	3.17	5	<10	1560	1.1	<2	3.53	<0.5	25	213	41
Y420922		2.04	<0.001		<0.2	2.92	4	<10	480	0.9	2	4.20	<0.5	25	245	11
Y420923		2.01	<0.001		<0.2	3.68	5	<10	190	1.3	2	5.19	<0.5	26	224	24
Y420924		1.00	<0.001		<0.2	3.23	3	<10	210	1.3	2	4.28	<0.5	25	265	20
Y420925		1.24	<0.001		<0.2	0.38	12	<10	20	0.5	<2	0.12	<0.5	2	4	5
Y420926		2.36	<0.001		<0.2	2.05	7	<10	110	1.0	2	1.86	<0.5	18	68	33
Y420927		1.85	<0.001		<0.2	2.74	3	<10	110	1.6	<2	7.8	<0.5	21	175	14
Y420928		1.13	<0.001		<0.2	2.97	3	<10	200	1.6	<2	7.9	<0.5	30	172	7
Y420929		1.49	<0.001		<0.2	2.86	5	<10	150	1.1	2	5.33	<0.5	24	137	9
Y420930		0.06	9.59	5.79	5.6	2.04	40	<10	170	<0.5	<2	1.21	2.9	15	31	1810
Y420931		2.25	0.003		<0.2	3.65	9	<10	120	1.4	<2	1.64	<0.5	32	181	62
Y420932		2.06	<0.001		<0.2	1.64	6	<10	60	0.6	<2	1.39	<0.5	9	23	12
Y420933		2.19	<0.001		<0.2	1.03	10	<10	230	<0.5	<2	1.66	<0.5	7	12	7
Y420934		2.19	0.013		<0.2	2.63	10	<10	220	0.7	<2	1.11	<0.5	17	79	13
Y420935		2.19	<0.001		<0.2	0.49	11	<10	50	<0.5	<2	0.08	<0.5	3	9	6
Y420936		2.27	<0.001		<0.2	1.74	13	<10	140	0.6	<2	0.36	<0.5	12	63	7
Y420937		2.28	<0.001		<0.2	2.82	55	<10	160	0.5	<2	0.55	<0.5	19	73	12
Y420938		2.30	<0.001		<0.2	3.03	58	<10	160	0.6	<2	0.80	<0.5	20	124	10
Y420939		2.48	<0.001		<0.2	2.85	56	<10	150	0.7	2	0.90	<0.5	22	118	19
Y420940		0.06	<0.001		<0.2	1.94	<2	<10	150	<0.5	<2	1.12	<0.5	10	24	101
Y420941		2.14	<0.001		<0.2	2.02	11	<10	90	<0.5	<2	0.98	<0.5	21	100	9





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Sample Description	Method Analyte Units LOD	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
Y420912		3.90	<10	2	0.44	<10	0.10	724	1	0.02	27	380	27	<0.01	23
Y420913		5.00	<10	2	0.37	10	0.07	1185	3	0.02	29	390	44	<0.01	30
Y420914		1.35	<10	3	0.16	10	0.02	317	2	0.01	12	130	31	<0.01	21
Y420915		2.99	<10	2	0.18	10	0.09	852	1	0.01	59	480	28	<0.01	57
Y420916		4.79	10	<1	0.50	10	0.51	969	<1	0.01	91	1300	20	<0.01	34
Y420917		4.88	10	<1	0.62	20	2.21	600	<1	0.02	114	1380	10	<0.01	22
Y420918		4.42	10	<1	0.85	10	3.35	669	<1	0.04	106	1000	6	0.03	7
Y420919		3.58	10	<1	0.85	10	2.96	708	<1	0.07	117	1310	5	0.04	3
Y420920		3.47	10	<1	0.24	10	0.79	454	5	0.24	12	540	5	0.01	<2
Y420921		3.65	10	<1	1.18	10	3.04	702	<1	0.05	111	1480	6	0.06	<2
Y420922		3.76	10	<1	0.93	10	3.09	767	<1	0.06	113	1480	3	0.01	2
Y420923		4.64	10	<1	1.30	20	3.41	878	<1	0.02	96	1450	14	<0.01	2
Y420924		4.03	10	1	1.87	20	3.07	822	1	0.04	96	690	5	0.01	<2
Y420925		0.72	<10	<1	0.21	20	0.07	67	1	0.05	3	90	2	0.01	<2
Y420926		2.83	10	<1	0.79	20	1.53	383	1	0.05	33	570	2	0.02	2
Y420927		3.33	10	<1	0.64	10	2.43	908	<1	0.02	93	790	7	0.01	<2
Y420928		4.26	10	<1	1.17	10	2.61	1025	<1	0.02	112	830	3	0.01	3
Y420929		3.95	10	1	1.05	20	3.03	840	1	0.03	90	650	4	0.01	3
Y420930		3.93	10	<1	0.25	10	0.96	617	26	0.26	171	550	319	0.43	5
Y420931		4.51	10	<1	0.77	20	3.28	654	1	0.02	121	950	5	<0.01	4
Y420932		2.24	<10	<1	0.40	20	1.15	364	1	0.05	13	500	3	<0.01	<2
Y420933		1.51	<10	<1	0.36	20	0.72	264	1	0.04	11	360	2	<0.01	2
Y420934		3.38	10	<1	0.54	20	2.31	692	<1	0.03	53	800	2	<0.01	<2
Y420935		0.98	<10	<1	0.19	10	0.33	176	<1	0.02	4	170	2	<0.01	2
Y420936		2.02	10	1	0.95	20	1.45	400	<1	0.06	26	360	3	<0.01	<2
Y420937		3.77	10	1	0.79	10	2.35	663	<1	0.05	47	920	5	<0.01	4
Y420938		3.89	10	<1	0.79	10	2.58	672	<1	0.06	70	1020	5	<0.01	3
Y420939		3.41	10	<1	0.69	10	2.26	636	<1	0.05	56	960	3	<0.01	3
Y420940		3.58	10	<1	0.25	10	0.82	469	5	0.24	13	560	4	0.01	<2
Y420941		2.06	<10	<1	0.37	<10	1.97	397	<1	0.06	31	540	5	<0.01	<2

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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

Project: Coffee

**CERTIFICATE OF ANALYSIS WH18260923**

**CERTIFICATE COMMENTS**

**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-23	PUL-32m	PUL-QC
	WEI-21		
			LOG-21
			SPL-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA13	Au-ICP21	ME-ICP41