



ALS Canada Ltd.

2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
www.alsglobal.com/geochemistry

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

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Total # Pages: 5 (A)  
Plus Appendix Pages  
Finalized Date: 9-JAN-2019  
Account: KAMGOL

**CERTIFICATE WH18315962**

Project: Coffee

P.O. No.: KGC-18-1889

This report is for 137 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11-DEC-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
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21	Sample logging - ClientBarCode
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
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

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 WH18315962**

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	Au-AA13	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	As ppm	Hg ppm	Sb ppm
		0.02	0.001	0.03	2	1	2
Y429208		2.05	0.001		14	<1	<2
Y429209		2.03	0.003		25	<1	<2
Y429210		0.06	6.14	5.38	498	<1	4
Y429211		1.46	0.001		9	<1	<2
Y429212		2.01	<0.001		7	<1	<2
Y429213		2.46	<0.001		7	<1	<2
Y429214		3.04	0.004		13	<1	2
Y429215		1.30	0.085		26	<1	<2
Y429216		0.91	0.500	0.54	3070	2	22
Y429217		2.07	0.011		28	<1	<2
Y429218		2.65	<0.001		10	<1	<2
Y429219		2.35	0.002		21	<1	2
Y429220		0.47	<0.001		2	<1	<2
Y429221		2.27	<0.001		8	<1	2
Y429222		2.79	0.001		18	<1	<2
Y429223		2.01	<0.001		9	<1	<2
Y429224		2.32	0.003		11	<1	<2
Y429225		2.76	0.005		8	<1	<2
Y429226		2.28	0.130		293	<1	3
Y429227		2.71	0.023		28	<1	3
Y429228		2.46	0.011		39	<1	<2
Y429229		2.65	0.016		36	<1	<2
Y429230		0.06	8.80	4.74	38	<1	5
Y429231		2.40	0.010		53	<1	2
Y429232		2.53	0.014		71	<1	<2
Y429233		2.00	0.004		24	<1	<2
Y429234		2.90	0.002		15	<1	<2
Y429235		2.73	0.003		17	<1	<2
Y429236		2.24	0.007		27	<1	<2
Y429237		1.13	0.020		49	<1	2
Y429238		1.59	0.024		52	<1	<2
Y429239		1.82	0.041		212	<1	4
Y429240		0.07	<0.001		<2	<1	<2
Y429241		1.03	0.005		74	<1	<2
Y429242		1.16	0.005		61	<1	<2
Y429243		1.50	0.013		326	<1	5
Y429244		1.24	0.012		92	<1	3
Y429245		2.44	0.007		26	<1	<2
Y429246		2.48	0.015		42	<1	<2
Y429247		2.03	0.027		74	<1	<2



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	Au-AA13	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	As ppm	Hg ppm	Sb ppm
		0.02	0.001	0.03	2	1	2
Y429248		2.10	0.038		91	<1	2
Y429249		2.13	0.034		66	<1	<2
Y429250		0.06	0.929	0.98	9	<1	<2
Y429251		2.29	0.009		37	<1	<2
Y429252		2.85	0.002		24	<1	<2
Y429253		2.62	0.008		48	<1	<2
Y429254		2.30	0.002		28	<1	<2
Y429255		2.82	<0.001		18	<1	<2
Y429256		2.25	0.004		16	<1	<2
Y429257		2.55	0.004		20	<1	<2
Y429258		2.42	0.004		22	<1	<2
Y429259		2.24	0.023		96	<1	<2
Y429260		0.49	<0.001		2	<1	<2
Y429261		1.33	0.013		58	<1	<2
Y429262		1.52	0.013		343	<1	8
Y429263		1.93	0.005		326	<1	11
Y429264		2.01	0.007		120	<1	5
Y429265		0.94	0.010		234	<1	5
Y429266		1.86	0.141		680	<1	6
Y429267		1.70	0.072		363	<1	8
Y429268		1.40	0.011		13	<1	3
Y429269		1.55	0.004		19	<1	7
Y429270		0.06	6.28	5.63	501	<1	4
Y429271		2.55	0.004		16	<1	3
Y429272		2.40	0.009		12	<1	3
Y429273		2.45	0.009		18	<1	2
Y429274		2.18	0.005		13	<1	3
Y429275		2.87	0.006		9	<1	<2
Y429276		2.32	<0.001		13	<1	2
Y429277		2.97	<0.001		11	<1	<2
Y429278		2.13	<0.001		11	<1	<2
Y429279		2.82	<0.001		5	<1	2
Y429280		0.07	<0.001		<2	<1	<2
Y429281		2.70	<0.001		5	<1	<2
Y429282		2.73	<0.001		3	<1	<2
Y429283		2.65	<0.001		10	<1	<2
Y429284		2.65	0.002		63	<1	<2
Y429285		2.52	<0.001		54	<1	<2
Y429286		3.01	0.010		78	<1	<2
Y429287		2.33	<0.001		188	<1	3



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Y429288		2.59	0.002		323	<1	6
Y429289		2.80	<0.001		58	<1	<2
Y429290		0.06	0.763	0.65	4	<1	<2
Y429291		2.29	<0.001		119	<1	4
Y429292		2.73	<0.001		174	<1	3
Y429293		0.88	0.084		728	<1	5
Y429294		1.30	0.076		745	<1	4
Y429295		1.56	0.240		3030	<1	9
Y429296		2.15	9.43	9.89	2100	1	39
Y429297		1.41	1.325	1.36	1190	1	17
Y429298		2.13	0.043		489	<1	4
Y429299		2.15	0.009		463	<1	9
Y429300		0.44	<0.001		3	<1	<2
Y429301		2.45	0.001		36	<1	2
Y429302		2.42	0.053		718	<1	3
Y429303		1.46	0.005		63	<1	<2
Y429304		2.60	0.023		638	<1	2
Y429305		1.61	0.675	<0.03	1670	<1	7
Y429306		1.46	0.705	0.32	1615	<1	17
Y429307		1.12	0.110		1055	<1	8
Y429308		2.00	0.014		671	<1	6
Y429309		2.53	<0.001		46	<1	3
Y429310		0.06	0.134		81	<1	24
Y429311		2.59	<0.001		165	<1	<2
Y429312		2.49	0.002		229	<1	11
Y429313		2.26	0.001		255	<1	2
Y429314		2.42	<0.001		268	<1	<2
Y429315		2.73	<0.001		241	<1	2
Y429316		2.29	<0.001		118	<1	<2
Y429317		1.37	<0.001		173	<1	5
Y429318		1.73	1.215	0.14	2370	<1	9
Y429319		1.17	4.17	3.83	9070	<1	24
Y429320		0.07	<0.001		10	<1	<2
Y429321		1.86	0.029		2030	1	13
Y429322		1.71	0.002		478	<1	11
Y429323		2.79	<0.001		216	1	3
Y429324		2.39	<0.001		305	<1	5
Y429325		2.52	<0.001		514	<1	8
Y429326		2.64	<0.001		112	<1	4
Y429327		2.51	<0.001		43	<1	4



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		Recvd Wt. kg 0.02	Au ppm 0.001	Au ppm 0.03	As ppm 2	Hg ppm 1	Sb ppm 2
Y429328		2.48	<0.001		55	<1	5
Y429329		1.55	<0.001		136	<1	6
Y429330		0.06	8.88	4.33	42	<1	4
Y429331		1.19	<0.001		94	<1	5
Y429332		2.02	0.601	0.12	3080	<1	10
Y429333		1.05	0.938	0.03	1865	<1	8
Y429334		1.31	0.615	<0.03	1800	<1	9
Y429335		1.60	0.018		195	<1	4
Y429336		1.81	0.113		365	<1	9
Y429337		1.85	1.380	0.43	7040	1	36
Y429338		1.35	1.620	0.11	7350	2	29
Y429339		1.34	0.264		512	1	11
Y429340		0.44	<0.001		7	<1	<2
Y429341		2.66	<0.001		119	<1	11
Y429342		2.62	0.308	0.04	669	<1	7
Y429343		2.47	0.297		1945	1	10
Y429344		2.50	0.551	0.16	825	<1	7



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**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