



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**

Page: 1  
Total # Pages: 3 (A)  
Plus Appendix Pages  
Finalized Date: 7-NOV-2018  
Account: KAMGOL

**CERTIFICATE WH18263395**

Project: Coffee

P.O. No.: KGC-18-1657

This report is for 76 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 19-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
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 WH18263395**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	Au-AA13 Au ppm 0.03	ME-ICP41 As ppm 2	ME-ICP41 Hg ppm 1	ME-ICP41 Sb ppm 2
W836093		1.60	0.010		16	<1	<2
W836094		1.42	0.004		13	<1	<2
W836095		1.46	0.003		11	<1	<2
W836096		1.41	<0.001		3	<1	<2
W836097		1.33	<0.001		8	<1	<2
W836098		1.12	<0.001		4	<1	<2
W836099		1.26	<0.001		5	<1	<2
W836100		0.06	<0.001		<2	<1	<2
W836101		1.35	<0.001		4	<1	<2
W836102		1.20	<0.001		3	<1	<2
W836103		1.27	<0.001		14	<1	2
W836104		1.30	0.001		8	<1	<2
W836105		1.75	<0.001		11	<1	2
W836106		1.30	0.008		38	<1	3
W836107		1.87	0.003		14	<1	2
W836108		1.83	0.001		10	<1	<2
W836109		1.35	0.007		15	<1	2
W836110		0.06	0.136		77	<1	19
W836111		1.49	0.025		12	<1	<2
W836112		1.53	0.013		14	<1	<2
W836113		1.91	0.005		21	<1	<2
W836114		1.37	0.002		29	1	3
W836115		1.50	<0.001		7	<1	<2
W836116		1.67	<0.001		7	<1	<2
W836117		1.47	<0.001		10	<1	3
W836118		1.21	<0.001		13	<1	2
W836119		1.34	<0.001		18	<1	4
W836120		0.06	0.001		<2	<1	<2
W836121		1.47	0.590	0.57	1345	<1	57
W836122		1.43	1.080	1.08	497	<1	18
W836123		1.38	0.006		27	<1	6
W836124		1.65	0.005		6	<1	2
W836125		1.35	0.003		10	<1	2
W836126		1.96	0.002		11	<1	2
W836127		1.39	0.001		12	<1	3
W836128		1.36	0.001		21	<1	<2
W836129		1.60	0.004		11	<1	<2
W836130		0.06	9.10	4.97	37	<1	3
W836131		1.86	0.005		13	<1	3
W836132		1.96	0.004		38	<1	3



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W836133		1.87	0.003		20	<1	3
W836134		1.66	0.005		39	<1	<2
W836135		1.93	0.004		14	<1	2
W836136		2.25	0.004		7	<1	<2
W836137		1.70	0.002		19	<1	2
W836138		1.62	<0.001		8	<1	<2
W836139		2.00	0.001		7	<1	<2
W836140		0.06	0.002		<2	<1	<2
W836141		1.94	<0.001		12	<1	<2
W836142		2.09	<0.001		8	<1	2
W836143		1.47	<0.001		8	<1	<2
W836144		1.62	0.828	0.83	1315	1	61
W836145		1.90	0.001		12	<1	2
W836146		1.36	0.006		21	<1	<2
W836147		1.47	0.003		15	<1	<2
W836148		1.64	0.003		13	<1	<2
W836149		1.47	0.013		49	<1	4
W836150		0.06	3.54	3.29	256	<1	2
W836151		1.43	0.015		35	<1	5
W836152		1.52	0.008		39	<1	3
W836153		1.68	0.010		86	<1	<2
W836154		1.46	3.64	3.61	551	<1	48
W836155		1.26	0.711	0.73	580	2	46
W836156		1.85	0.044		16	<1	5
W836157		1.12	0.019		36	<1	2
W836158		1.39	0.011		31	<1	3
W836159		1.46	0.016		13	<1	<2
W836160		0.06	<0.001		<2	1	<2
W836161		1.58	0.012		10	<1	<2
W836162		1.35	0.016		18	1	2
W836163		1.36	0.014		10	<1	2
W836164		1.61	0.014		10	<1	<2
W836165		1.41	0.009		9	<1	<2
W836166		0.92	0.003		5	<1	2
W836167		1.61	0.017		98	<1	4
W836168		1.08	0.013		19	<1	<2



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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