



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: 4 (A)  
Plus Appendix Pages  
Finalized Date: 25-NOV-2018  
Account: KAMGOL

**CERTIFICATE WH18274005**

Project: Coffee

P.O. No.: KGC-18-1712

This report is for 96 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 30-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
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

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 WH18274005**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	Au-ICP21 Au ppm 0.05	Au-AA13 Au ppm 0.03	ME-ICP41 As ppm 2	ME-ICP41 Hg ppm 1	ME-ICP41 Sb ppm 2
W837731		3.36	0.020			74	<1	<2
W837732		2.84	0.007			39	<1	<2
W837733		2.33	0.008			131	<1	3
W837734		1.23	0.006			50	<1	2
W837735		1.99	0.003			40	<1	<2
W837736		2.36	0.001			28	<1	<2
W837737		2.37	0.001			27	<1	<2
W837738		2.34	0.003			16	<1	<2
W837739		2.08	0.005			35	<1	2
W837740		0.06	0.001			2	<1	<2
W837741		2.33	0.014			76	<1	2
W837742		2.18	0.008			152	<1	3
W837743		2.24	0.261			1410	1	11
W837744		2.36	0.007			98	<1	5
W837745		2.34	0.008			149	<1	5
W837746		2.13	0.013			58	<1	<2
W837747		1.81	0.013			143	<1	8
W837748		2.31	0.008			71	<1	3
W837749		2.31	0.014			138	<1	6
W837750		0.06	6.25		5.73	524	<1	2
W837751		2.10	0.015			97	<1	5
W837752		2.25	0.009			137	<1	3
W837753		1.94	0.007			103	<1	2
W837754		2.28	0.004			118	<1	<2
W837755		2.09	0.006			157	<1	3
W837756		1.99	0.024			508	<1	7
W837757		1.72	0.405		0.42	882	1	12
W837758		1.81	0.774		0.84	1245	1	8
W837759		1.80	0.183			603	1	4
W837760		0.06	0.001			4	<1	<2
W837761		2.10	0.753		0.80	990	1	9
W837762		1.71	4.55		4.75	1685	1	38
W837763		1.87	0.686		0.74	993	<1	12
W837764		2.07	0.036			644	1	10
W837765		2.20	4.89		4.81	2680	1	29
W837766		1.82	0.079			852	<1	10
W837767		2.11	0.893		0.94	1985	1	8
W837768		1.75	0.155			1330	1	9
W837769		1.91	0.388		0.37	1950	1	36
W837770		0.06	0.734		0.72	9	<1	<2



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W837771		1.82	0.124			3040	2	132
W837772		1.65	0.017			929	<1	44
W837773		1.91	2.69		2.76	2940	2	157
W837774		1.46	0.095			840	1	63
W837775		1.85	3.52		3.65	1115	<1	38
W837776		1.62	7.50		7.86	1965	1	100
W837777		1.66	>10.0	10.65	10.90	5640	3	805
W837778		1.56	>10.0	12.35	12.60	4300	3	443
W837779		1.50	>10.0	11.90	12.00	3660	3	134
W837780		0.06	<0.001			6	1	2
W837781		1.35	>10.0	14.65	15.20	5790	7	1015
W837782		1.30	0.419		0.44	2500	4	83
W837783		2.18	0.108			91	<1	9
W837784		1.98	0.042			33	<1	3
W837785		1.72	0.017			60	<1	10
W837786		1.88	0.013			91	<1	10
W837787		1.99	0.073			120	1	52
W837788		1.86	0.016			54	<1	6
W837789		1.69	0.013			68	1	7
W837790		0.06	0.146			82	<1	22
W837791		1.74	0.015			87	<1	7
W837792		1.90	0.011			119	<1	14
W837793		1.75	1.715		1.80	716	1	61
W837794		1.64	0.042			123	<1	8
W837795		1.60	1.000		1.07	1720	1	31
W837796		1.65	0.210			787	1	12
W837797		1.56	0.051			146	1	6
W837798		1.72	0.097			214	<1	7
W837799		1.67	0.007			120	<1	2
W837800		0.06	<0.001			<2	<1	<2
W837801		1.55	0.066			99	1	12
W837802		1.21	0.007			20	<1	3
W837803		1.50	0.059			202	<1	4
W837804		1.47	0.012			67	1	7
W837805		1.25	0.005			9	<1	2
W837806		1.24	0.002			17	<1	<2
W837807		1.57	0.002			14	1	<2
W837808		1.39	0.002			10	<1	2
W837809		1.16	0.001			5	<1	3
W837810		0.06	9.82		4.66	38	<1	6



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W837811		1.01	<0.001			3	<1	<2
W837812		1.59	<0.001			4	<1	<2
W837813		1.33	<0.001			4	<1	<2
W837814		1.49	<0.001			7	<1	<2
W837815		1.66	<0.001			14	<1	<2
W837816		1.21	<0.001			15	<1	2
W837817		2.30	0.002			23	<1	<2
W837818		1.43	0.001			18	<1	<2
W837819		1.57	<0.001			14	1	<2
W837820		0.06	<0.001			2	<1	2
W837821		1.70	0.003			26	<1	2
W837822		1.78	<0.001			17	<1	<2
W837823		1.63	<0.001			31	<1	2
W837824		1.57	<0.001			20	<1	2
W837825		2.06	0.064			901	1	10
W837826		2.53	<0.001			22	<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-GRA21	Au-ICP21
			ME-ICP41