



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: 4 (A)  
Plus Appendix Pages  
Finalized Date: 6-NOV-2018  
Account: KAMGOL

## CERTIFICATE YW18258742

Project: Coffee

P.O. No.: KGC-18-1645

This report is for 100 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 15-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 YW18258742**

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
W835588		2.07	0.156		86	<1	5
W835589		1.83	0.085		119	<1	90
W835590		0.08	6.10	5.74	498	<1	2
W835591		2.41	0.020		74	<1	27
W835592		1.23	0.023		118	<1	29
W835593		1.36	0.007		45	<1	6
W835594		1.42	0.004		48	<1	6
W835595		1.25	0.004		34	1	4
W835596		1.45	0.004		28	<1	<2
W835597		1.37	0.014		46	<1	3
W835598		1.68	0.004		5	1	2
W835599		1.42	0.005		19	1	2
W835600		0.08	0.002		<2	<1	<2
W835601		1.43	0.005		37	1	2
W835602		1.79	0.002		4	<1	<2
W835603		1.40	0.001		9	<1	<2
W835604		1.34	0.002		35	<1	<2
W835605		1.57	<0.001		22	1	<2
W835606		1.65	0.072		38	<1	2
W835607		1.58	0.135		50	<1	2
W835608		1.50	0.027		33	<1	4
W835609		1.46	0.008		58	<1	2
W835610		0.08	0.716	0.79	5	<1	<2
W835611		1.47	0.003		25	<1	2
W835612		1.51	0.002		8	<1	<2
W835613		1.51	0.008		24	1	2
W835614		1.41	0.001		4	<1	<2
W835615		1.54	0.001		11	<1	3
W835616		1.83	0.008		63	<1	11
W835617		1.66	0.002		37	<1	4
W835618		1.60	<0.001		6	1	2
W835619		1.42	0.001		41	<1	4
W835620		0.08	0.002		<2	<1	<2
W835621		1.64	0.001		94	<1	13
W835622		1.63	0.003		96	1	9
W835623		1.55	0.002		38	<1	3
W835624		1.50	<0.001		38	<1	5
W835625		1.38	<0.001		22	<1	3
W835626		1.51	0.009		82	<1	7
W835627		1.41	0.003		57	<1	4



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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
W835628		1.49	0.006		117	<1	13
W835629		1.24	0.003		28	<1	6
W835630		0.07	0.142		75	<1	22
W835631		1.27	0.005		38	<1	4
W835632		1.07	0.003		62	1	6
W835633		1.29	0.066		1180	1	110
W835634		0.60	0.045		275	1	63
W835635		2.03	0.077		1485	1	69
W835636		1.42	0.008		88	<1	11
W835637		2.14	0.009		52	1	20
W835638		1.47	<0.001		12	<1	2
W835639		1.42	0.012		51	<1	9
W835640		0.08	<0.001		2	<1	2
W835641		1.58	0.009		39	1	15
W835642		1.48	0.006		15	<1	5
W835643		1.55	<0.001		6	<1	<2
W835644		1.83	<0.001		6	<1	2
W835645		1.69	0.001		12	<1	5
W835646		2.09	0.002		8	<1	5
W835647		2.63	<0.001		12	<1	<2
W835648		1.99	0.006		18	<1	6
W835649		1.87	0.001		10	<1	<2
W835650		0.07	9.03	3.48	40	<1	7
W835651		1.19	<0.001		5	<1	<2
W835652		1.20	0.006		12	<1	5
W835653		1.19	0.008		15	<1	6
W835654		1.24	0.002		5	<1	3
W835655		1.62	0.006		13	<1	6
W835656		1.12	0.002		5	<1	3
W835657		0.79	<0.001		4	<1	2
W835658		1.15	0.003		9	<1	3
W835659		1.34	0.003		12	<1	7
W835660		0.08	<0.001		2	<1	<2
W835661		1.49	<0.001		8	<1	<2
W835662		1.64	0.002		54	<1	12
W835663		1.64	0.002		36	<1	30
W835664		1.17	0.018		170	<1	89
W835665		1.59	2.44	2.57	326	1	234
W835666		1.25	0.170		936	<1	52
W835667		1.58	0.072		711	<1	41

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**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:	Processed at ALS Yellowknife located at # 8 - 3 Coronation Drive, X1A 0G5, Yellowknife, NT, 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