



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: 19-NOV-2018  
Account: KAMGOL

**CERTIFICATE WH18273983**

Project: Coffee

P.O. No.: KGC-18-1710

This report is for 84 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 WH18273983**

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
W837574		1.48	0.075			101	1	3
W837575		1.52	0.038			142	<1	8
W837576		1.69	0.016			72	1	5
W837577		1.51	0.016			44	1	2
W837578		1.59	0.013			36	1	<2
W837579		2.81	0.006			10	1	<2
W837580		0.06	<0.001			<2	<1	<2
W837581		2.29	0.003			5	<1	<2
W837582		1.37	0.004			6	1	<2
W837583		1.77	0.036			27	<1	4
W837584		1.69	0.019			51	<1	3
W837585		2.08	0.008			14	1	2
W837586		2.34	0.011			43	1	7
W837587		2.02	0.011			16	1	<2
W837588		1.72	0.005			23	<1	3
W837589		2.10	0.001			6	<1	<2
W837590		0.06	3.63		3.22	253	<1	2
W837591		2.01	0.003			12	2	3
W837592		2.00	0.001			3	1	<2
W837593		1.73	0.002			4	<1	3
W837594		1.89	0.001			2	<1	3
W837595		2.24	0.002			3	1	4
W837596		1.82	0.001			4	1	4
W837597		1.99	0.006			17	<1	<2
W837598		1.81	0.001			5	1	<2
W837599		1.94	<0.001			3	1	2
W837600		0.06	<0.001			<2	2	<2
W837601		1.22	<0.001			6	<1	<2
W837602		2.04	0.002			7	<1	<2
W837603		1.93	0.001			6	<1	<2
W837604		1.87	0.010			21	<1	<2
W837605		1.78	0.002			8	<1	<2
W837606		2.31	>10.0	13.60	12.45	6160	1	29
W837607		1.51	0.017			20	<1	<2
W837608		1.60	0.029			114	<1	2
W837609		0.96	0.016			94	<1	6
W837610		0.06	0.752		0.63	6	<1	<2
W837611		1.58	0.026			146	1	10
W837612		2.08	0.012			94	<1	3
W837613		0.66	0.020			129	1	6



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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	Au-GRA21 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
W837614		1.19	0.012			79	<1	<2
W837615		1.19	0.028			207	<1	8
W837616		1.00	0.014			112	1	4
W837617		1.37	0.843		0.81	1530	2	62
W837618		1.32	0.621		0.62	1080	1	21
W837619		1.63	0.069			714	1	35
W837620		0.06	0.001			2	<1	<2
W837621		1.56	0.032			386	<1	34
W837622		1.31	0.034			329	1	24
W837623		1.37	0.011			165	<1	5
W837624		1.50	0.006			61	<1	<2
W837625		1.83	0.008			101	<1	<2
W837626		1.84	0.141			419	1	4
W837627		2.08	0.008			28	<1	<2
W837628		1.62	0.011			22	1	<2
W837629		1.85	0.013			91	<1	7
W837630		0.06	1.005		0.93	9	<1	<2
W837631		1.68	0.010			79	<1	5
W837632		1.59	0.221			1675	2	24
W837633		1.36	9.40		9.40	1990	2	41
W837634		1.79	0.407		0.39	1315	1	25
W837635		1.93	0.059			139	1	5
W837636		1.62	0.027			90	<1	<2
W837637		1.17	0.017			77	<1	<2
W837638		1.65	0.018			79	1	3
W837639		1.67	0.014			47	<1	<2
W837640		0.06	0.001			3	1	<2
W837641		1.53	0.010			46	1	<2
W837642		1.90	0.012			50	1	2
W837643		1.45	0.005			26	<1	<2
W837644		1.45	0.015			59	1	<2
W837645		1.49	0.097			58	1	2
W837646		1.43	0.021			54	1	3
W837647		1.87	0.023			68	<1	5
W837648		2.02	0.021			74	1	3
W837649		1.52	0.010			50	<1	2
W837650		0.06	0.138			79	<1	24
W837651		1.71	0.007			28	1	<2
W837652		1.83	0.003			27	<1	<2
W837653		1.96	0.009			15	<1	<2



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	Au-GRA21	Au-AA13	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt.	Au	Au	Au	As	Hg	Sb
		kg	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.001	0.05	0.03	2	1	2
W837654		1.83	0.005			16	1	<2
W837655		1.96	0.009			19	<1	<2
W837656		2.04	0.290			1980	3	24
W837657		2.34	0.011			25	<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-21
	LOG-23	PUL-32m	PUL-QC	SPL-21
	WEI-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