



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: 5 (A)  
Plus Appendix Pages  
Finalized Date: 26-NOV-2018  
Account: KAMGOL

**CERTIFICATE WH18273982**

Project: Coffee

P.O. No.: KGC-18-1706

This report is for 123 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 WH18273982**

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
W837451		1.96	0.101			110	1	12
W837452		1.54	0.134			114	1	13
W837453		2.37	0.110			140	1	14
W837454		2.14	0.075			86	1	9
W837455		2.61	0.066			58	1	5
W837456		2.05	0.016			35	<1	2
W837457		2.89	0.005			17	<1	<2
W837458		2.22	0.024			41	1	3
W837459		1.77	0.007			18	1	<2
W837460		0.06	<0.001			2	<1	<2
W837461		2.17	0.006			15	1	<2
W837462		1.78	0.002			11	1	<2
W837463		2.16	0.003			11	1	3
W837464		1.91	0.004			16	1	2
W837465		1.80	0.018			13	<1	3
W837466		2.03	0.001			6	<1	2
W837467		2.23	0.004			23	1	2
W837468		2.11	0.008			39	1	3
W837469		1.87	0.016			56	<1	2
W837470		0.06	8.75		3.94	42	1	6
W837471		2.23	0.014			46	1	3
W837472		2.16	0.004			17	<1	2
W837473		2.16	0.009			22	1	2
W837474		2.37	0.014			14	<1	<2
W837475		1.91	0.033			42	1	3
W837476		2.13	0.009			18	1	3
W837477		2.20	0.025			51	<1	2
W837478		2.11	0.041			57	1	2
W837479		1.82	0.052			173	1	10
W837480		0.06	<0.001			2	1	2
W837481		2.22	0.414		0.41	196	1	11
W837482		2.25	0.016			87	1	8
W837483		2.57	0.008			167	1	6
W837484		2.52	0.001			18	1	4
W837485		2.49	0.001			10	1	3
W837486		2.64	0.001			8	1	4
W837487		2.01	0.013			371	<1	13
W837488		1.75	0.009			315	1	14
W837489		1.86	0.058			1910	1	57
W837490		0.05	1.000		0.84	8	<1	<2



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W837491		2.26	0.003			216	<1	16
W837492		2.72	0.001			66	<1	4
W837493		2.32	0.004			200	<1	3
W837494		2.00	0.021			1275	<1	7
W837495		2.05	0.003			66	<1	2
W837496		2.57	0.007			119	<1	<2
W837497		2.45	0.066			1480	1	7
W837498		2.22	0.001			31	<1	<2
W837499		2.44	<0.001			40	<1	<2
W837500		0.06	0.001			2	<1	<2
W837501		2.27	<0.001			12	<1	2
W837502		2.75	0.070			1950	1	55
W837503		2.46	<0.001			17	<1	<2
W837504		1.19	0.008			57	<1	<2
W837505		1.99	0.053			58	<1	2
W837506		2.00	0.067			136	<1	6
W837507		1.92	0.127			168	<1	7
W837508		1.74	0.119			143	<1	5
W837509		1.14	0.083			154	<1	4
W837510		0.06	6.48		5.69	556	<1	4
W837511		1.44	0.029			113	<1	3
W837512		0.75	0.020			123	<1	<2
W837513		1.37	0.028			101	<1	3
W837514		1.31	0.120			421	<1	6
W837515		1.99	0.428		0.46	1065	1	20
W837516		1.27	0.026			183	<1	3
W837517		1.39	0.020			144	<1	5
W837518		1.36	0.014			161	<1	4
W837519		1.50	1.035		1.03	1125	<1	6
W837520		0.06	0.001			3	<1	<2
W837521		1.47	0.038			160	<1	2
W837522		1.27	0.448		0.49	438	<1	4
W837523		1.47	0.045			172	<1	2
W837524		1.32	0.017			108	<1	3
W837525		1.74	0.015			127	1	<2
W837526		1.68	0.019			129	<1	<2
W837527		1.48	0.011			112	<1	<2
W837528		1.64	0.015			115	<1	<2
W837529		1.28	0.234			1355	<1	30
W837530		0.06	0.677		0.70	4	<1	4



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W837531		1.30	0.062			492	<1	5
W837532		1.27	0.028			186	1	2
W837533		1.53	0.386		0.39	2050	<1	11
W837534		1.78	0.081			716	<1	18
W837535		1.63	0.098			558	<1	46
W837536		1.52	0.015			91	<1	4
W837537		2.16	0.005			35	<1	4
W837538		2.00	0.006			55	<1	<2
W837539		2.01	0.014			83	<1	3
W837540		0.06	<0.001			<2	<1	2
W837541		1.52	0.005			55	<1	3
W837542		1.68	0.025			116	<1	8
W837543		1.72	0.075			209	<1	11
W837544		2.21	0.038			319	<1	17
W837545		1.84	0.017			88	1	2
W837546		1.76	0.011			61	<1	2
W837547		1.86	0.017			62	<1	<2
W837548		1.80	0.016			41	<1	2
W837549		1.70	0.017			61	<1	2
W837550		0.06	0.139			74	<1	24
W837551		2.24	0.011			20	1	2
W837552		1.89	0.128			987	<1	4
W837553		1.73	7.42		6.91	4290	1	17
W837554		1.78	0.125			990	<1	5
W837555		1.73	0.040			210	1	7
W837556		1.68	0.034			178	<1	8
W837557		1.94	0.041			77	<1	<2
W837558		1.89	0.019			96	<1	<2
W837559		1.72	0.015			65	1	4
W837560		0.06	<0.001			<2	1	2
W837561		1.67	0.032			139	<1	16
W837562		1.95	0.031			180	<1	15
W837563		1.53	0.015			116	<1	9
W837564		1.56	0.008			44	<1	5
W837565		1.60	0.019			115	<1	11
W837566		1.61	0.007			168	<1	11
W837567		1.87	0.016			175	1	7
W837568		1.82	0.014			213	1	8
W837569		1.49	0.013			180	<1	8
W837570		0.06	9.00		4.87	37	1	5



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		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
W837571		1.79	>10.0	12.50	11.10	6040	1	28
W837572		1.77	1.485		1.16	1265	<1	8
W837573		1.90	0.564		0.51	1910	2	11



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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