



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: 15-NOV-2018  
Account: KAMGOL

**CERTIFICATE WH18270338**

Project: Coffee

P.O. No.: KGC-18-1687

This report is for 87 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 26-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 WH18270338**

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
W837208		1.73	0.008		23	<1	<2
W837209		1.45	0.004		19	<1	<2
W837210		0.06	6.21	5.49	551	<1	<2
W837211		2.66	0.002		18	<1	<2
W837212		2.39	0.002		16	<1	2
W837213		2.78	0.004		15	<1	<2
W837214		1.22	0.001		13	1	<2
W837215		1.68	0.006		18	<1	<2
W837216		1.77	0.031		35	<1	3
W837217		2.15	0.110		114	<1	5
W837218		1.75	0.130		138	<1	7
W837219		1.99	0.190		208	1	15
W837220		0.06	<0.001		2	<1	<2
W837221		1.86	0.086		405	<1	28
W837222		1.97	0.033		178	<1	11
W837223		1.92	0.060		180	<1	11
W837224		2.63	0.030		116	<1	4
W837225		2.23	0.056		231	1	5
W837226		2.53	0.047		184	<1	4
W837227		2.46	0.026		283	<1	8
W837228		1.91	0.734	0.70	703	<1	13
W837229		2.28	0.028		108	<1	2
W837230		0.06	9.29	4.76	40	<1	3
W837231		2.33	0.018		93	<1	3
W837232		2.41	0.011		98	<1	<2
W837233		2.69	0.016		144	<1	5
W837234		2.58	0.009		97	<1	2
W837235		2.51	0.020		168	<1	2
W837236		2.80	0.012		83	<1	<2
W837237		2.49	0.021		110	<1	<2
W837238		2.43	0.027		188	<1	3
W837239		2.73	0.010		98	1	<2
W837240		0.06	<0.001		<2	<1	<2
W837241		2.53	0.025		166	<1	<2
W837242		2.19	0.014		141	<1	<2
W837243		2.04	0.013		134	<1	<2
W837244		3.05	0.002		40	<1	<2
W837245		2.34	0.002		48	<1	<2
W837246		2.63	0.011		44	1	<2
W837247		2.49	0.001		34	<1	<2



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W837248		2.41	0.008		371	<1	<2
W837249		2.44	2.89	2.92	1785	1	9
W837250		0.06	0.912	0.97	9	<1	<2
W837251		2.90	0.060		140	<1	3
W837252		2.56	0.099		233	<1	9
W837253		2.76	0.033		139	<1	9
W837254		2.52	0.047		102	1	5
W837255		2.82	0.013		111	<1	6
W837256		2.48	0.011		171	<1	13
W837257		2.32	0.013		139	<1	7
W837258		2.78	0.019		204	1	17
W837259		1.64	0.005		142	1	10
W837260		0.06	<0.001		<2	<1	<2
W837261		1.67	0.943	0.95	1895	<1	15
W837262		1.42	0.261		1480	<1	8
W837263		1.46	0.037		149	<1	<2
W837264		1.47	0.012		147	<1	3
W837265		1.18	0.003		52	<1	<2
W837266		1.41	0.018		184	<1	6
W837267		0.89	0.007		22	<1	<2
W837268		0.89	<0.001		21	<1	<2
W837269		0.91	0.020		50	<1	<2
W837270		0.06	6.41	5.41	540	<1	<2
W837271		1.20	0.002		47	<1	<2
W837272		0.57	0.003		26	<1	<2
W837273		1.24	0.003		14	<1	<2
W837274		0.67	0.001		9	1	<2
W837275		1.11	<0.001		13	<1	<2
W837276		1.18	0.004		10	<1	<2
W837277		1.22	0.007		11	<1	<2
W837278		1.07	0.006		11	1	<2
W837279		0.87	0.007		12	<1	<2
W837280		0.06	<0.001		<2	<1	<2
W837281		0.91	0.008		18	<1	<2
W837282		0.68	0.015		34	<1	2
W837283		1.02	0.004		17	<1	<2
W837284		1.02	0.003		27	<1	2
W837285		1.30	0.007		21	<1	2
W837286		1.44	0.028		20	<1	<2
W837287		0.95	0.005		14	1	5



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	Au-AA13	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt.	Au	Au	As	Hg	Sb
		kg	ppm	ppm	ppm	ppm	ppm
		0.02	0.001	0.03	2	1	2
W837288		0.98	0.003		17	<1	<2
W837289		0.63	<0.001		8	<1	<2
W837290		0.06	0.713	0.68	4	<1	<2
W837291		0.89	0.001		15	<1	<2
W837292		0.71	0.002		37	<1	<2
W837293		1.42	0.725	0.73	654	<1	9
W837294		1.05	0.005		26	<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