



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: 4-NOV-2018  
Account: KAMGOL

## CERTIFICATE YW18255418

Project: COFFEE

P.O. No.: KGC-18-1639

This report is for 109 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 11-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 YW18255418**

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
W835328		1.20	0.059			53	<1	2
W835329		1.68	0.018			26	<1	3
W835330		0.08	1.030		0.92	8	<1	2
W835331		1.77	0.018			41	<1	5
W835332		2.05	0.120			192	<1	15
W835333		1.85	0.198			640	1	19
W835334		1.64	0.034			142	<1	11
W835335		1.50	0.005			70	<1	4
W835336		1.66	0.006			99	<1	9
W835337		1.70	0.010			66	1	5
W835338		1.30	0.005			60	<1	9
W835339		1.26	<0.001			9	<1	3
W835340		0.08	<0.001			<2	<1	<2
W835341		1.27	0.004			31	<1	4
W835342		1.37	0.007			66	<1	16
W835343		1.38	0.001			15	<1	2
W835344		1.28	<0.001			26	<1	2
W835345		1.08	<0.001			6	<1	<2
W835346		1.62	<0.001			2	<1	<2
W835347		1.85	<0.001			2	<1	<2
W835348		1.26	<0.001			7	<1	<2
W835349		1.55	<0.001			12	<1	2
W835350		0.08	6.11		5.90	540	<1	2
W835351		1.28	0.003			11	<1	<2
W835352		1.41	<0.001			6	<1	<2
W835353		1.88	<0.001			13	<1	<2
W835354		1.67	<0.001			42	<1	6
W835355		1.44	0.007			89	<1	7
W835356		1.70	0.002			68	<1	2
W835357		1.49	0.001			67	<1	5
W835358		1.41	0.005			70	<1	17
W835359		1.62	0.009			83	<1	11
W835360		0.08	<0.001			<2	<1	3
W835361		1.27	0.003			68	1	7
W835362		1.41	0.003			76	<1	5
W835363		1.47	0.002			38	<1	5
W835364		1.75	<0.001			22	<1	<2
W835365		1.26	<0.001			20	<1	4
W835366		1.61	<0.001			20	1	4
W835367		1.48	0.004			38	<1	6



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W835368		1.45	0.003			28	1	<2
W835369		1.05	0.195			3280	1	12
W835370		0.08	0.688		0.69	15	<1	<2
W835371		1.19	0.017			1495	1	12
W835372		1.06	0.003			89	<1	7
W835373		2.32	0.005			63	<1	5
W835374		2.16	0.001			24	1	<2
W835375		1.79	<0.001			15	<1	3
W835376		2.04	0.002			23	<1	3
W835377		1.91	<0.001			7	<1	<2
W835378		1.31	<0.001			6	<1	<2
W835379		1.52	<0.001			7	<1	<2
W835380		0.08	<0.001			3	<1	<2
W835381		1.49	<0.001			3	<1	<2
W835382		1.66	0.008			9	<1	<2
W835383		1.90	0.006			29	<1	3
W835384		1.72	0.006			26	<1	9
W835385		1.89	0.010			25	<1	3
W835386		1.66	0.017			62	<1	16
W835387		1.83	<0.001			12	<1	3
W835388		1.70	0.001			28	<1	11
W835389		1.88	0.010			48	<1	15
W835390		0.08	0.167			79	1	23
W835391		1.68	0.006			20	<1	7
W835392		1.55	0.003			11	<1	2
W835393		1.84	<0.001			5	<1	2
W835394		1.92	<0.001			3	<1	3
W835395		1.79	0.052			9	<1	3
W835396		1.64	0.002			20	<1	8
W835397		2.21	0.002			14	<1	6
W835398		2.16	<0.001			16	<1	9
W835399		1.89	0.002			20	<1	15
W835400		0.08	<0.001			<2	<1	<2
W835401		1.81	0.004			18	<1	16
W835402		2.08	0.001			10	<1	8
W835403		1.69	0.003			9	<1	9
W835404		1.86	0.003			26	<1	26
W835405		2.00	0.252			149	<1	92
W835406		1.94	1.810		1.79	239	<1	107
W835407		1.63	0.206			210	<1	69



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W835408		2.27	0.010			43	<1	16
W835409		1.74	0.977		0.99	195	<1	76
W835410		0.08	8.79		5.18	38	<1	6
W835411		1.78	0.965		1.01	294	<1	176
W835412		1.77	0.186			608	<1	209
W835413		1.12	>10.0	15.80	16.50	3020	1	538
W835414		0.86	0.642		0.65	288	<1	87
W835415		1.72	2.48		2.57	428	<1	121
W835416		1.42	0.075			33	<1	14
W835417		1.79	0.061			16	<1	3
W835418		1.43	0.063			22	<1	2
W835419		1.31	0.037			11	<1	<2
W835420		0.08	0.001			2	<1	<2
W835421		2.66	0.042			16	<1	3
W835422		1.16	0.013			10	<1	<2
W835423		0.88	0.177			22	<1	5
W835424		1.19	0.029			17	<1	<2
W835425		1.89	0.005			29	<1	4
W835426		0.85	0.007			134	<1	5
W835427		1.00	0.021			14	<1	3
W835428		1.47	0.066			18	<1	2
W835429		1.52	0.009			8	<1	2
W835430		0.08	3.52		3.50	274	<1	5
W835431		1.47	0.161			22	<1	5
W835432		1.64	0.043			20	<1	2
W835433		1.44	0.232			27	<1	4
W835434		1.44	0.123			11	<1	3
W835435		1.45	0.294			261	<1	75
W835436		1.60	0.005			33	1	6



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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-GRA21	Au-ICP21
			ME-ICP41