



ALS Canada Ltd.

2103 Dollarton Hwy
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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: 12-JAN-2019
Account: KAMGOL

CERTIFICATE WH18315988

Project: COFFEE

P.O. No.: KGC-18-1961

This report is for 103 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 11-DEC-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 WH18315988

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
A0032061		1.96	0.060		72	<1	4
A0032062		0.92	0.075		78	<1	4
A0032063		1.80	0.108		60	<1	5
A0032064		1.70	0.033		47	<1	6
A0032065		2.02	0.004		18	<1	<2
A0032066		1.30	<0.001		14	<1	<2
A0032067		2.45	<0.001		23	<1	<2
A0032068		2.28	<0.001		5	<1	<2
A0032069		2.21	0.001		2	<1	<2
A0032070		0.06	6.10	5.82	509	<1	3
A0032071		2.11	0.002		25	<1	3
A0032072		2.23	0.001		5	<1	<2
A0032073		1.83	<0.001		4	<1	<2
A0032074		2.19	<0.001		5	<1	<2
A0032075		1.69	<0.001		11	<1	<2
A0032076		2.08	<0.001		40	<1	5
A0032077		2.56	0.030		105	<1	17
A0032078		1.24	3.80	3.92	330	<1	63
A0032079		2.10	0.335	0.36	304	1	48
A0032080		0.49	0.005		2	<1	<2
A0032081		1.86	0.033		124	1	13
A0032082		1.82	0.321	0.34	335	<1	33
A0032083		1.82	0.563	0.58	777	1	85
A0032084		1.98	0.031		333	1	74
A0032085		1.85	0.021		190	1	44
A0032086		2.15	0.025		138	1	19
A0032087		1.89	2.00	1.98	343	1	27
A0032088		1.94	0.188		201	1	64
A0032089		2.18	0.018		210	<1	37
A0032090		0.06	0.649	0.62	4	1	3
A0032091		1.93	0.008		169	<1	47
A0032092		1.91	0.002		96	<1	17
A0032093		2.36	0.005		82	<1	10
A0032094		1.96	0.005		151	<1	21
A0032095		1.74	0.002		66	<1	6
A0032096		1.66	<0.001		103	<1	12
A0032097		2.38	<0.001		146	<1	17
A0032098		2.61	0.001		69	<1	7
A0032099		2.33	<0.001		20	<1	<2
A0032100		0.07	<0.001		<2	<1	<2



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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
A0032101		1.85	<0.001		21	<1	2
A0032102		1.92	<0.001		42	1	4
A0032103		1.96	<0.001		44	<1	5
A0032104		1.15	0.618	0.62	761	1	83
A0032105		1.58	0.001		79	1	7
A0032106		2.43	0.017		35	<1	7
A0032107		1.98	0.002		9	1	<2
A0032108		1.65	0.003		10	<1	<2
A0032109		1.96	<0.001		4	<1	<2
A0032110		0.06	0.140		76	1	24
A0032111		2.26	<0.001		2	<1	<2
A0032112		2.05	<0.001		2	<1	<2
A0032113		2.08	0.001		2	<1	<2
A0032114		1.86	<0.001		4	<1	<2
A0032115		2.07	0.002		39	<1	<2
A0032116		1.96	<0.001		7	<1	<2
A0032117		1.77	<0.001		29	<1	<2
A0032118		2.12	0.036		558	<1	<2
A0032119		2.19	0.035		152	<1	<2
A0032120		0.48	<0.001		<2	<1	<2
A0032121		2.06	0.004		92	<1	<2
A0032122		1.69	0.001		11	<1	<2
A0032123		1.81	<0.001		2	<1	<2
A0032124		2.06	<0.001		<2	<1	<2
A0032125		2.18	<0.001		<2	<1	<2
A0032126		1.43	1.620	1.76	956	1	969
A0032127		1.62	0.301	0.30	452	1	532
A0032128		1.73	0.009		15	<1	16
A0032129		1.97	0.001		5	<1	2
A0032130		0.06	8.96	4.25	38	<1	4
A0032131		1.72	0.004		6	<1	6
A0032132		2.09	0.109		451	<1	58
A0032133		1.92	0.077		519	1	7
A0032134		1.94	0.187		131	<1	49
A0032135		1.74	0.011		29	<1	16
A0032136		1.77	0.007		15	<1	<2
A0032137		1.60	0.020		26	<1	3
A0032138		1.21	<0.001		12	<1	4
A0032139		1.54	<0.001		7	<1	<2
A0032140		0.06	<0.001		<2	<1	<2



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A0032141		1.74	<0.001		5	<1	<2
A0032142		1.64	<0.001		7	<1	<2
A0032143		1.71	<0.001		6	<1	2
A0032144		1.48	0.001		8	<1	<2
A0032145		1.57	<0.001		13	<1	<2
A0032146		1.63	<0.001		9	<1	<2
A0032147		1.55	<0.001		22	<1	7
A0032148		1.59	<0.001		9	<1	<2
A0032149		1.82	0.002		11	<1	<2
A0032150		0.06	3.60	3.78	257	<1	3
A0032151		1.29	<0.001		5	<1	3
A0032152		1.47	<0.001		6	<1	<2
A0032153		1.72	<0.001		7	<1	<2
A0032154		1.62	<0.001		4	<1	<2
A0032155		1.58	<0.001		12	<1	<2
A0032156		1.56	<0.001		12	<1	2
A0032157		1.68	0.001		5	<1	<2
A0032158		1.83	0.002		7	<1	<2
A0032159		1.49	0.006		9	<1	<2
A0032160		0.50	<0.001		2	1	<2
A0032161		1.67	0.001		3	<1	<2
A0032162		1.38	0.026		433	<1	<2
A0032163		1.82	<0.001		3	<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-ICP21	ME-ICP41	