



ALS Canada Ltd.

2103 Dollarton Hwy  
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www.alsglobal.com/geochemistry

To: **GOLDCORP KAMINAK LTD**  
**SUITE 3400 - 666 BURRARD STREET**  
**VANCOUVER BC V6C 2X8**

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Total # Pages: 2 (A - C)  
Plus Appendix Pages  
Finalized Date: 24-AUG-2018  
Account: KAMGOL

## CERTIFICATE YW18185380

Project: Coffee

P.O. No.: KGC-18-1372

This report is for 28 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 30-JUL-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
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
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
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA13	Au by cyanide leach and AAS	AAS

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 YW18185380**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	Au-AA13 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.001	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
W802181		1.21	0.006		<0.2	0.87	53	<10	100	0.5	<2	0.25	<0.5	7	22	10
W802182		1.07	0.033		<0.2	0.87	226	<10	110	0.8	<2	0.16	<0.5	5	16	10
W802183		1.02	0.011		<0.2	0.80	55	<10	100	0.5	<2	0.15	<0.5	4	13	9
W802184		1.42	0.011		<0.2	0.97	74	<10	120	0.7	<2	0.13	<0.5	6	14	13
W802185		1.54	0.190		<0.2	0.61	333	<10	180	0.9	<2	0.08	<0.5	5	22	9
W802186		1.55	0.035		<0.2	0.91	145	<10	130	0.9	<2	0.11	<0.5	5	21	8
W802187		1.28	0.022		<0.2	1.10	84	<10	120	0.9	<2	0.16	<0.5	4	26	9
W802188		1.59	0.018		<0.2	0.73	75	<10	110	0.8	<2	0.10	<0.5	3	17	25
W802189		1.63	0.015		<0.2	0.75	52	<10	100	0.9	<2	0.16	<0.5	5	24	22
W802190		0.08	8.79	4.63	5.6	1.97	38	10	180	<0.5	2	1.20	3.0	15	32	1795
W802191		1.62	0.015		<0.2	1.03	84	<10	120	0.9	<2	0.16	<0.5	5	15	14
W802192		1.72	1.710	1.87	0.2	0.83	1010	10	210	1.1	<2	0.10	<0.5	4	16	15
W802193		1.55	0.038		<0.2	0.72	151	<10	70	0.6	<2	0.08	<0.5	2	12	8
W802194		1.78	0.025		<0.2	0.68	65	<10	90	0.5	<2	0.09	<0.5	4	15	9
W802195		1.62	0.028		<0.2	0.66	50	<10	90	0.6	<2	0.11	<0.5	5	23	8
W802196		1.77	0.010		<0.2	0.64	29	<10	60	<0.5	2	0.12	<0.5	4	12	5
W802197		1.58	0.021		<0.2	0.78	26	<10	80	<0.5	2	0.12	<0.5	5	15	6
W802198		1.79	0.023		<0.2	1.16	35	<10	200	<0.5	<2	0.17	<0.5	7	15	18
W802199		1.73	0.035		<0.2	1.90	30	<10	510	<0.5	<2	0.33	<0.5	10	17	8
W802200		0.07	0.007		<0.2	1.66	2	<10	130	<0.5	<2	1.00	<0.5	9	10	91
W802201		1.57	0.039		<0.2	0.82	26	<10	130	0.5	<2	0.14	<0.5	6	13	7
W802202		1.98	0.012		0.2	0.90	23	<10	130	<0.5	<2	0.14	<0.5	6	15	12
W802203		1.74	0.009		0.2	1.14	20	<10	140	0.6	<2	0.19	<0.5	7	16	12
W802204		1.65	0.001		<0.2	0.48	17	<10	70	<0.5	<2	0.10	<0.5	3	14	6
W802205		1.47	0.227		<0.2	0.58	373	<10	170	0.9	2	0.08	<0.5	5	22	9
W802206		1.54	0.032		<0.2	1.84	33	<10	480	<0.5	<2	0.30	<0.5	11	17	8
W802207		1.52	0.001		<0.2	0.60	18	<10	150	<0.5	<2	0.16	<0.5	5	14	6
W802208		1.89	<0.001		<0.2	0.69	17	<10	90	<0.5	<2	0.18	<0.5	5	15	9



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Project: Coffee

**CERTIFICATE OF ANALYSIS YW18185380**

Sample Description	Method Analyte Units LOD	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
W802181		2.05	<10	<1	0.31	40	0.36	290	1	0.04	13	370	6	0.01	<2	2
W802182		2.11	<10	<1	0.32	60	0.25	251	2	0.03	10	310	7	0.01	5	3
W802183		2.08	<10	<1	0.38	50	0.28	285	2	0.04	8	320	9	0.01	<2	2
W802184		2.40	<10	<1	0.48	70	0.35	299	3	0.03	9	400	13	0.01	2	2
W802185		2.03	<10	<1	0.21	50	0.11	491	3	0.02	10	260	12	<0.01	20	2
W802186		1.98	<10	<1	0.28	60	0.21	300	2	0.03	9	270	7	<0.01	18	2
W802187		2.01	<10	<1	0.38	50	0.31	283	1	0.05	9	300	7	<0.01	12	2
W802188		1.89	<10	<1	0.32	40	0.22	288	3	0.03	21	230	22	<0.01	6	2
W802189		2.07	<10	<1	0.42	40	0.32	360	2	0.03	49	340	12	<0.01	4	2
W802190		3.82	10	<1	0.24	10	0.93	633	25	0.25	173	570	319	0.45	4	3
W802191		2.00	<10	<1	0.40	60	0.27	285	3	0.04	11	400	8	<0.01	6	2
W802192		2.05	<10	<1	0.25	70	0.07	249	3	0.02	12	230	12	0.01	10	2
W802193		1.78	<10	<1	0.31	50	0.22	110	3	0.04	5	290	6	0.01	2	2
W802194		2.06	<10	<1	0.33	60	0.28	134	2	0.04	21	270	8	0.02	<2	2
W802195		1.37	<10	<1	0.26	50	0.19	148	2	0.05	11	300	6	<0.01	2	2
W802196		1.25	<10	<1	0.32	50	0.25	160	2	0.06	7	300	2	<0.01	2	1
W802197		1.39	<10	<1	0.43	50	0.31	194	2	0.05	8	390	5	<0.01	2	2
W802198		2.00	<10	<1	0.56	50	0.49	367	2	0.06	8	470	16	<0.01	2	4
W802199		3.15	10	<1	0.83	20	0.88	678	2	0.07	7	650	22	0.01	<2	9
W802200		2.75	<10	<1	0.20	10	0.72	394	2	0.19	5	610	<2	0.01	<2	3
W802201		1.66	<10	<1	0.40	50	0.34	276	2	0.05	7	390	9	<0.01	2	2
W802202		1.96	<10	<1	0.52	60	0.36	360	2	0.05	8	380	20	<0.01	2	2
W802203		2.03	<10	<1	0.66	40	0.67	384	2	0.05	7	550	24	<0.01	<2	3
W802204		1.12	<10	<1	0.22	50	0.21	135	2	0.06	5	280	6	<0.01	<2	1
W802205		2.02	<10	1	0.19	50	0.10	448	3	0.02	10	260	12	<0.01	17	2
W802206		3.11	10	<1	0.80	20	0.86	633	2	0.06	7	640	23	<0.01	2	8
W802207		1.43	<10	<1	0.32	40	0.29	165	2	0.06	6	340	4	0.07	<2	1
W802208		1.50	<10	<1	0.41	40	0.33	204	3	0.06	7	370	4	<0.01	<2	1



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Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10
W802181		28	20	0.07	<10	<10	21	<10
W802182		17	30	0.05	<10	<10	16	<10
W802183		16	30	0.06	<10	<10	14	<10
W802184		13	30	0.06	<10	<10	13	<10
W802185		14	30	0.01	<10	10	16	<10
W802186		10	30	0.02	<10	10	13	<10
W802187		14	30	0.04	<10	<10	14	<10
W802188		9	30	0.04	<10	<10	15	<10
W802189		20	30	0.07	<10	<10	16	<10
W802190		94	<20	0.16	<10	<10	98	<10
W802191		13	30	0.06	<10	10	13	<10
W802192		26	30	<0.01	<10	10	12	<10
W802193		14	30	0.06	<10	<10	12	<10
W802194		23	30	0.05	<10	<10	16	<10
W802195		9	30	0.02	<10	<10	9	<10
W802196		10	30	0.04	<10	<10	8	<10
W802197		9	30	0.04	<10	<10	10	<10
W802198		14	30	0.06	<10	<10	28	<10
W802199		31	<20	0.11	<10	<10	77	<10
W802200		81	<20	0.14	<10	<10	98	10
W802201		13	30	0.03	<10	<10	15	<10
W802202		13	30	0.06	<10	<10	12	<10
W802203		14	30	0.08	<10	<10	24	<10
W802204		10	30	0.02	<10	<10	7	<10
W802205		14	30	0.01	<10	10	17	<10
W802206		27	<20	0.09	<10	<10	72	<10
W802207		18	30	0.05	<10	<10	9	<10
W802208		15	30	0.07	<10	<10	9	<10



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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
	LOG-23	PUL-32m
	WEI-21	
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.	
	Au-AA13	Au-ICP21
		ME-ICP41