



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: KAMINAK GOLD CORPORATION  
1020 - 800 WEST PENDER STREET  
VANCOUVER BC V6C 2V6

Page: 1  
Finalized Date: 17-JUL-2013  
Account: KAMGOL

**CERTIFICATE WH13123375**

Project: Coffee

P.O. No.: KGC-13-1220

This report is for 47 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 8-JUL-2013.

The following have access to data associated with this certificate:

TOM BOKENFOHR

JAMES SCOTT

TIM SMITH

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
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-31	Pulverize split to 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

To: KAMINAK GOLD CORPORATION  
ATTN: TIM SMITH  
1020 - 800 WEST PENDER STREET  
VANCOUVER BC V6C 2V6

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 WH13123375**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 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	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
KAM142971		2.54	0.001	<0.2	2.91	<2	<10	120	<0.5	<2	3.06	<0.5	19	125	11	2.54
KAM142972		2.52	0.001	<0.2	1.70	4	<10	110	<0.5	<2	2.67	<0.5	13	51	16	1.83
KAM142973		2.23	<0.001	<0.2	2.36	4	<10	220	<0.5	<2	2.19	<0.5	16	37	28	2.88
KAM142974		2.36	<0.001	<0.2	2.65	4	<10	190	<0.5	<2	2.97	<0.5	19	79	30	2.91
KAM142975		2.55	<0.001	<0.2	2.27	3	<10	160	<0.5	<2	2.33	<0.5	14	71	18	2.33
KAM142976		2.31	<0.001	<0.2	2.72	2	<10	210	<0.5	<2	2.68	<0.5	17	124	29	2.72
KAM142977		2.19	<0.001	<0.2	2.16	11	<10	110	<0.5	<2	2.30	<0.5	14	123	29	2.07
KAM142978		2.49	0.002	<0.2	1.48	10	<10	70	0.5	<2	5.69	<0.5	15	165	15	2.28
KAM142979		2.24	0.001	<0.2	2.38	11	<10	80	0.7	<2	4.93	<0.5	27	180	28	3.70
KAM142980		0.03	0.002	<0.2	1.90	5	10	120	<0.5	<2	1.11	<0.5	9	40	48	3.24
KAM142981		2.37	0.001	<0.2	2.83	<2	<10	90	<0.5	<2	4.47	<0.5	21	134	29	3.17
KAM142982		1.81	0.001	<0.2	2.25	4	<10	110	<0.5	<2	3.77	<0.5	22	126	37	2.50
KAM142983		2.40	0.001	<0.2	1.10	2	<10	30	<0.5	<2	3.10	<0.5	20	117	148	1.45
KAM142984		2.43	0.001	<0.2	0.45	<2	<10	20	<0.5	<2	2.62	<0.5	6	83	62	0.52
KAM142985		2.64	0.002	<0.2	0.55	<2	<10	40	<0.5	<2	3.15	<0.5	8	129	128	0.70
KAM142986		2.53	0.004	<0.2	0.36	<2	<10	90	<0.5	<2	4.13	<0.5	7	113	191	0.59
KAM142987		2.55	0.001	<0.2	0.67	<2	<10	50	<0.5	<2	4.51	<0.5	13	151	61	1.01
KAM142988		2.15	0.001	<0.2	1.69	<2	<10	100	<0.5	<2	3.45	<0.5	14	111	31	2.13
KAM142989		2.15	0.001	<0.2	1.16	4	<10	90	<0.5	2	1.87	<0.5	6	22	8	1.43
KAM142990		0.04	2.00	0.5	1.91	10	<10	130	<0.5	<2	1.00	<0.5	12	35	36	3.03
KAM142991		2.04	0.001	<0.2	1.78	6	<10	250	<0.5	<2	2.20	<0.5	10	33	14	2.45
KAM142992		2.32	0.002	<0.2	1.54	81	<10	110	0.6	<2	2.78	<0.5	11	28	15	2.45
KAM142993		1.75	0.055	<0.2	1.73	410	<10	150	0.7	2	2.64	<0.5	14	51	24	2.52
KAM142994		1.88	0.004	<0.2	1.78	46	<10	160	0.5	<2	2.45	<0.5	12	34	20	2.59
KAM142995		2.12	0.001	<0.2	1.76	12	<10	120	<0.5	<2	1.40	<0.5	10	33	12	2.45
KAM142996		2.23	0.001	<0.2	1.92	6	<10	160	<0.5	2	1.39	<0.5	13	45	17	2.91
KAM142997		2.33	<0.001	<0.2	1.76	19	<10	130	0.5	<2	2.10	<0.5	10	27	16	2.51
KAM142998		2.68	0.001	<0.2	1.76	5	<10	140	<0.5	<2	1.85	<0.5	11	31	13	2.65
KAM142999		2.13	0.002	<0.2	1.74	8	<10	130	<0.5	2	2.00	<0.5	11	47	19	2.39
KAM143000		0.04	0.002	<0.2	1.86	4	10	120	<0.5	<2	1.04	<0.5	9	40	48	3.15
KAM143001		2.24	0.001	<0.2	1.71	5	<10	140	<0.5	<2	1.67	<0.5	11	45	21	2.40
KAM143002		2.60	<0.001	<0.2	1.96	5	<10	150	0.5	3	1.16	<0.5	17	42	44	3.01
KAM143003		1.74	0.001	<0.2	1.71	5	<10	90	0.5	2	2.17	<0.5	11	49	22	2.70
KAM143004		2.41	0.001	<0.2	1.72	3	<10	130	0.6	<2	2.25	<0.5	12	36	18	2.66
KAM143005		1.97	0.007	<0.2	2.20	8	<10	200	0.6	2	3.01	<0.5	17	63	29	3.32
KAM143006		2.19	0.001	<0.2	2.78	2	<10	230	0.5	3	2.36	<0.5	23	82	40	3.85
KAM143007		2.27	0.001	<0.2	2.03	2	<10	210	<0.5	2	1.45	<0.5	14	54	24	2.70
KAM143008		2.36	<0.001	<0.2	2.39	<2	<10	290	<0.5	<2	1.62	<0.5	16	56	20	2.88
KAM143009		2.29	0.001	<0.2	2.25	4	<10	290	<0.5	<2	1.30	<0.5	16	22	21	3.55
KAM143010		0.03	1.180	1.7	1.63	10	<10	1310	<0.5	<2	1.06	0.9	9	37	75	3.11



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1
KAM142971		<10	<1	1.48	<10	2.87	605	2	0.05	57	200	2	0.18	<2	4
KAM142972		<10	<1	0.88	10	1.50	353	2	0.06	29	640	3	0.20	<2	4
KAM142973		10	<1	0.81	10	1.92	424	2	0.08	28	760	<2	0.20	<2	7
KAM142974		10	<1	0.79	<10	2.27	475	1	0.09	41	300	2	0.22	<2	8
KAM142975		10	<1	0.70	<10	1.78	391	3	0.13	31	280	2	0.10	<2	7
KAM142976		10	1	1.04	10	2.35	403	2	0.09	52	490	2	0.14	<2	7
KAM142977		<10	1	0.31	10	1.68	288	2	0.08	52	340	3	0.09	<2	6
KAM142978		<10	1	0.32	10	2.40	493	2	0.02	57	310	7	0.21	<2	5
KAM142979		10	1	0.30	10	3.64	720	<1	0.02	134	430	12	0.23	<2	11
KAM142980		10	<1	0.17	10	0.82	495	7	0.12	31	600	2	0.05	<2	5
KAM142981		<10	1	0.46	10	2.85	625	2	0.02	65	460	7	0.13	2	10
KAM142982		<10	<1	0.65	10	2.35	610	1	0.04	46	150	3	0.24	<2	10
KAM142983		<10	<1	0.18	<10	1.28	323	1	0.03	34	20	3	0.25	3	6
KAM142984		<10	<1	0.04	<10	0.57	133	1	0.03	10	30	2	0.08	3	4
KAM142985		<10	<1	0.05	<10	0.84	184	1	0.03	17	30	<2	0.11	<2	6
KAM142986		<10	<1	0.05	<10	0.66	197	1	0.03	19	30	2	0.13	2	6
KAM142987		<10	<1	0.31	<10	0.93	340	1	0.03	32	90	2	0.18	2	5
KAM142988		<10	<1	0.76	30	1.43	523	1	0.03	36	330	10	0.27	<2	6
KAM142989		<10	<1	0.56	40	0.59	313	1	0.03	13	390	7	0.12	<2	2
KAM142990		10	<1	0.16	10	0.88	489	3	0.11	27	680	6	0.05	3	6
KAM142991		10	<1	0.90	40	1.00	456	1	0.04	24	460	7	0.16	2	4
KAM142992		<10	<1	0.64	40	0.96	458	1	0.03	23	450	14	0.23	2	4
KAM142993		<10	<1	0.80	40	1.17	464	2	0.04	31	440	16	0.30	2	4
KAM142994		10	<1	0.86	40	1.02	473	2	0.04	25	440	13	0.22	2	3
KAM142995		<10	<1	0.83	20	1.00	458	1	0.03	24	470	4	0.14	2	2
KAM142996		10	<1	1.00	30	1.21	489	2	0.04	27	450	6	0.23	<2	2
KAM142997		<10	<1	0.99	30	0.98	518	1	0.04	18	480	6	0.21	<2	2
KAM142998		10	<1	0.82	40	0.98	514	1	0.04	19	500	9	0.18	<2	2
KAM142999		10	<1	0.73	30	1.07	464	2	0.05	23	490	6	0.14	<2	3
KAM143000		10	<1	0.16	10	0.80	500	7	0.12	31	620	2	0.05	2	6
KAM143001		10	<1	0.85	30	1.01	446	3	0.04	25	480	6	0.17	2	3
KAM143002		10	<1	0.99	30	1.24	444	1	0.04	41	640	7	0.43	<2	2
KAM143003		10	<1	0.64	40	1.13	468	2	0.04	23	550	13	0.24	2	4
KAM143004		10	<1	0.92	40	1.01	440	1	0.04	21	540	9	0.26	2	3
KAM143005		10	<1	1.07	20	1.65	605	1	0.05	32	430	11	0.43	<2	5
KAM143006		10	<1	1.04	10	2.34	665	1	0.05	37	510	5	0.25	<2	6
KAM143007		10	<1	1.13	20	1.48	412	1	0.04	29	490	5	0.24	<2	3
KAM143008		10	<1	1.18	10	1.89	503	1	0.04	28	700	3	0.26	<2	3
KAM143009		10	<1	0.95	10	1.42	493	1	0.05	10	980	3	0.27	<2	3
KAM143010		10	<1	0.14	10	0.76	501	7	0.10	33	610	86	0.10	3	5



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Project: Coffee

**CERTIFICATE OF ANALYSIS WH13123375**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
KAM142971		<20	0.11	<10	<10	53	<10	43
KAM142972		<20	0.16	<10	<10	59	<10	23
KAM142973		<20	0.14	<10	<10	84	<10	31
KAM142974		<20	0.12	<10	<10	103	<10	36
KAM142975		<20	0.12	<10	<10	80	<10	25
KAM142976		<20	0.14	<10	<10	71	<10	27
KAM142977		<20	0.09	<10	<10	55	<10	21
KAM142978		<20	0.01	<10	<10	29	<10	27
KAM142979		<20	0.02	<10	<10	69	<10	46
KAM142980		<20	0.16	<10	<10	72	<10	47
KAM142981		<20	0.06	<10	<10	57	<10	43
KAM142982		<20	0.07	<10	10	67	<10	30
KAM142983		<20	0.05	<10	10	41	<10	13
KAM142984		<20	0.03	<10	10	17	<10	3
KAM142985		<20	0.05	<10	<10	28	<10	4
KAM142986		<20	0.05	<10	<10	25	<10	4
KAM142987		<20	0.04	<10	10	31	<10	8
KAM142988		<20	0.08	<10	10	34	<10	34
KAM142989		20	0.04	<10	10	11	<10	24
KAM142990		<20	0.17	<10	10	78	20	57
KAM142991		20	0.10	<10	10	23	<10	42
KAM142992		20	0.05	<10	10	20	<10	49
KAM142993		20	0.07	<10	10	25	<10	46
KAM142994		20	0.09	<10	10	23	<10	48
KAM142995		<20	0.11	<10	10	22	<10	45
KAM142996		<20	0.13	<10	<10	29	<10	49
KAM142997		<20	0.12	<10	10	20	<10	48
KAM142998		20	0.12	<10	10	22	<10	53
KAM142999		<20	0.13	<10	10	25	<10	49
KAM143000		<20	0.16	<10	10	72	<10	47
KAM143001		<20	0.15	<10	10	24	<10	49
KAM143002		<20	0.18	<10	<10	28	<10	64
KAM143003		<20	0.12	<10	10	37	<10	53
KAM143004		<20	0.12	<10	10	29	<10	53
KAM143005		<20	0.15	<10	10	55	<10	61
KAM143006		<20	0.21	<10	10	83	<10	67
KAM143007		<20	0.15	<10	10	35	<10	50
KAM143008		<20	0.15	<10	10	43	<10	77
KAM143009		<20	0.21	<10	10	67	<10	83
KAM143010		<20	0.15	<10	<10	69	<10	193



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 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	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
KAM143011		2.35	0.001	<0.2	1.09	<2	<10	90	<0.5	<2	2.00	<0.5	4	11	5	1.15
KAM143012		0.72	0.001	<0.2	1.10	3	<10	110	0.5	2	2.68	<0.5	6	12	7	1.29
KAM143013		1.05	0.001	<0.2	0.93	4	<10	100	0.5	<2	2.28	<0.5	5	13	5	1.05
KAM143014		2.27	0.001	<0.2	1.14	4	<10	120	0.5	2	2.19	<0.5	7	16	9	1.25
KAM143015		2.30	0.001	<0.2	1.14	<2	<10	90	0.5	<2	1.82	<0.5	6	17	6	1.24
KAM143016		2.05	0.007	<0.2	2.01	9	<10	180	0.5	2	2.93	<0.5	17	57	30	3.20
KAM143017		2.28	0.001	<0.2	2.37	2	<10	50	0.5	<2	3.99	<0.5	22	129	49	2.78



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Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
KAM143011		<10	<1	0.35	20	0.57	454	1	0.03	4	310	3	0.12	<2	1	22
KAM143012		<10	<1	0.34	20	0.59	477	1	0.03	6	320	6	0.17	<2	2	37
KAM143013		<10	<1	0.40	20	0.49	374	1	0.04	6	320	7	0.13	<2	2	41
KAM143014		<10	<1	0.50	20	0.61	417	1	0.04	7	410	6	0.16	<2	2	42
KAM143015		<10	<1	0.47	20	0.64	381	1	0.04	8	410	4	0.13	2	2	35
KAM143016		10	<1	0.99	20	1.55	563	2	0.03	29	400	12	0.39	<2	4	157
KAM143017		10	<1	0.66	10	2.53	490	<1	0.02	50	270	<2	0.01	<2	12	78



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 1020 - 800 WEST PENDER STREET  
 VANCOUVER BC V6C 2V6

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 Finalized Date: 17-JUL-2013  
 Account: KAMGOL

Project: Coffee

**CERTIFICATE OF ANALYSIS WH13123375**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
KAM143011		<20	0.02	<10	10	5	<10	33
KAM143012		<20	0.01	<10	10	7	<10	32
KAM143013		<20	0.03	<10	10	6	<10	29
KAM143014		<20	0.05	<10	10	9	<10	41
KAM143015		<20	0.05	<10	10	9	<10	39
KAM143016		<20	0.14	<10	<10	49	<10	59
KAM143017		<20	0.03	<10	<10	73	<10	40



ALS Canada Ltd.  
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1020 - 800 WEST PENDER STREET  
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**CERTIFICATE OF ANALYSIS WH13123375**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-ICP21	ME-ICP41	