



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

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Finalized Date: 19-JUL-2013  
Account: KAMGOL

**CERTIFICATE WH13124381**

Project: Coffee

P.O. No.: KGC-13-1227

This report is for 100 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
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: KAMINAK GOLD CORPORATION  
ATTN: TIM SMITH  
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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 WH13124381**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	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
		0.02	0.001	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
KAM143485		1.63	0.116		<0.2	0.67	103	<10	110	0.5	<2	0.15	<0.5	4	16	10
KAM143486		2.35	>10.0	30.0	1.4	0.58	1730	10	190	<0.5	2	0.15	<0.5	3	19	9
KAM143487		2.53	1.465		0.3	1.19	2650	10	290	1.3	<2	0.21	<0.5	4	52	14
KAM143488		1.85	0.174		<0.2	1.44	211	<10	120	0.8	<2	0.33	<0.5	5	30	23
KAM143489		0.78	0.068		<0.2	0.89	275	<10	110	1.0	2	0.17	<0.5	5	6	25
KAM143490		0.05	9.54		1.3	1.14	17	<10	60	<0.5	<2	0.69	<0.5	12	29	53
KAM143491		1.87	0.042		<0.2	0.80	195	<10	100	1.0	2	0.14	<0.5	4	5	18
KAM143492		1.88	0.014		<0.2	1.02	168	<10	110	0.9	<2	0.13	<0.5	4	10	11
KAM143493		1.72	0.040		<0.2	1.33	231	<10	230	1.4	2	0.12	<0.5	16	8	49
KAM143494		1.58	0.033		<0.2	0.76	222	<10	80	1.1	5	0.10	<0.5	9	6	42
KAM143495		1.39	0.017		<0.2	0.62	227	<10	130	0.9	3	0.07	<0.5	17	4	19
KAM143496		1.74	0.027		<0.2	0.59	203	<10	90	1.1	<2	0.05	<0.5	15	3	7
KAM143497		1.77	0.026		<0.2	0.72	312	<10	180	1.6	3	0.06	<0.5	18	3	7
KAM143498		1.71	0.034		<0.2	0.65	291	<10	250	1.5	2	0.05	<0.5	16	4	8
KAM143499		1.77	0.188		<0.2	0.48	727	<10	190	0.8	2	0.10	<0.5	5	5	16
KAM143500		0.05	0.001		0.2	1.81	3	<10	110	<0.5	<2	1.04	<0.5	9	37	46
KAM143501		2.01	0.115		<0.2	0.44	1160	<10	150	0.6	2	0.14	<0.5	2	5	12
KAM143502		2.09	>10.0	14.40	1.0	0.44	1510	10	100	<0.5	2	0.12	<0.5	<1	5	5
KAM143503		1.70	>10.0	10.25	1.3	0.45	1900	10	110	<0.5	2	0.10	<0.5	<1	7	5
KAM143504		1.60	0.430		<0.2	0.40	418	<10	80	<0.5	2	0.09	<0.5	<1	3	3
KAM143505		1.49	0.446		<0.2	0.44	517	<10	100	0.5	<2	0.09	<0.5	1	4	4
KAM143506		2.43	4.73		0.2	0.34	389	10	60	<0.5	<2	0.08	<0.5	<1	3	2
KAM143507		2.56	1.295		<0.2	0.37	253	<10	50	<0.5	<2	0.08	<0.5	<1	3	2
KAM143508		2.04	0.317		<0.2	0.34	364	<10	260	<0.5	3	0.05	<0.5	3	4	3
KAM143509		2.15	0.140		<0.2	0.36	317	<10	220	<0.5	<2	0.04	<0.5	1	4	3
KAM143510		0.05	2.02		0.3	1.84	9	<10	120	<0.5	<2	1.00	<0.5	12	33	34
KAM143511		1.94	0.052		<0.2	0.33	96	<10	250	<0.5	<2	0.02	<0.5	1	4	2
KAM143512		2.42	0.521		<0.2	0.39	592	<10	130	0.7	2	0.07	<0.5	5	5	6
KAM143513		2.04	0.020		<0.2	0.62	229	<10	90	0.9	3	0.05	<0.5	7	6	8
KAM143514		2.21	0.018		<0.2	1.01	149	<10	190	1.1	2	0.07	<0.5	8	7	8
KAM143515		2.12	0.011		<0.2	0.54	31	<10	240	0.9	3	0.04	<0.5	6	6	7
KAM143516		2.33	0.013		<0.2	0.66	88	<10	270	1.0	2	0.06	<0.5	10	6	7
KAM143517		2.10	0.012		<0.2	0.56	58	<10	190	0.9	2	0.05	<0.5	7	6	6
KAM143518		2.27	0.007		<0.2	0.59	22	<10	300	1.6	<2	0.07	<0.5	12	5	3
KAM143519		2.14	0.012		<0.2	0.62	100	<10	140	1.1	<2	0.06	<0.5	11	5	9
KAM143520		0.05	0.003		<0.2	1.78	4	<10	110	<0.5	2	1.01	<0.5	8	37	46
KAM143521		1.90	0.032		<0.2	0.55	171	<10	170	1.0	<2	0.04	<0.5	7	5	3
KAM143522		2.05	0.011		<0.2	0.55	118	<10	100	0.9	<2	0.05	<0.5	5	4	4
KAM143523		1.82	9.88		0.3	0.53	1130	<10	140	1.2	<2	0.10	<0.5	5	6	8
KAM143524		1.68	2.81		0.3	0.52	1115	<10	150	1.8	2	0.14	<0.5	12	5	21



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**CERTIFICATE OF ANALYSIS WH13124381**

Sample Description	Method Analyte Units LOR	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
KAM143485		1.09	<10	<1	0.16	20	0.17	240	1	0.02	11	190	6	0.01	5	2
KAM143486		2.35	<10	1	0.47	30	0.12	110	3	0.05	8	300	18	0.60	69	3
KAM143487		5.05	<10	1	0.89	50	0.36	149	1	0.05	16	950	14	0.81	257	11
KAM143488		1.97	10	<1	0.56	30	0.59	227	1	0.03	16	220	4	0.02	41	4
KAM143489		1.76	<10	<1	0.23	50	0.25	274	1	0.04	5	330	3	<0.01	54	3
KAM143490		3.27	<10	3	0.20	10	0.60	362	718	0.08	29	420	8	1.34	28	4
KAM143491		1.69	<10	<1	0.32	50	0.21	229	1	0.04	6	340	5	<0.01	44	2
KAM143492		2.06	<10	<1	0.45	50	0.32	209	1	0.04	8	380	3	<0.01	27	3
KAM143493		2.39	<10	<1	0.52	80	0.35	1060	1	0.03	11	390	5	<0.01	97	4
KAM143494		2.71	<10	<1	0.24	40	0.14	299	2	0.03	6	440	5	0.01	60	3
KAM143495		1.67	<10	<1	0.20	60	0.04	797	1	0.01	8	230	7	<0.01	154	1
KAM143496		1.45	<10	<1	0.23	50	0.04	532	1	<0.01	7	230	6	<0.01	43	1
KAM143497		2.06	<10	<1	0.28	60	0.04	1010	1	0.01	14	300	7	<0.01	235	1
KAM143498		1.86	<10	<1	0.29	60	0.04	836	1	<0.01	15	290	10	<0.01	112	2
KAM143499		2.29	<10	<1	0.34	70	0.03	146	2	<0.01	6	350	14	0.08	129	2
KAM143500		3.21	10	1	0.16	<10	0.80	494	7	0.12	32	580	3	0.04	<2	5
KAM143501		2.71	<10	<1	0.37	60	0.03	43	2	0.03	8	300	13	0.33	113	1
KAM143502		1.53	<10	1	0.35	50	0.02	15	2	0.02	3	170	14	0.33	106	1
KAM143503		1.73	<10	1	0.38	40	0.03	21	3	0.02	8	170	17	0.31	105	1
KAM143504		1.54	<10	<1	0.33	30	0.02	17	3	0.01	5	110	5	0.21	37	<1
KAM143505		1.54	<10	<1	0.32	30	0.02	20	3	0.01	9	160	6	0.18	38	<1
KAM143506		1.12	<10	<1	0.31	30	0.02	12	3	0.01	4	100	7	0.23	13	<1
KAM143507		1.05	<10	<1	0.30	30	0.02	12	3	<0.01	3	80	6	0.18	7	<1
KAM143508		1.54	<10	<1	0.20	30	0.01	38	3	<0.01	17	140	6	0.02	15	<1
KAM143509		1.30	<10	<1	0.18	30	0.01	43	3	<0.01	5	110	7	0.01	11	<1
KAM143510		3.00	10	<1	0.16	<10	0.86	475	3	0.11	25	630	5	0.05	<2	6
KAM143511		1.21	<10	<1	0.24	30	0.01	18	3	<0.01	2	80	5	0.19	3	<1
KAM143512		1.54	<10	1	0.23	40	0.02	225	3	<0.01	7	190	12	<0.01	12	1
KAM143513		1.53	<10	<1	0.25	50	0.05	165	2	0.02	9	310	4	<0.01	8	2
KAM143514		2.32	<10	<1	0.50	70	0.21	302	3	0.02	9	380	4	<0.01	21	2
KAM143515		1.64	<10	<1	0.31	30	0.06	270	2	0.03	8	330	3	0.01	3	1
KAM143516		1.89	<10	<1	0.33	70	0.06	403	3	0.03	8	390	5	0.01	12	1
KAM143517		2.07	<10	<1	0.30	70	0.09	180	4	0.03	6	350	7	0.01	13	1
KAM143518		1.46	<10	<1	0.32	90	0.05	1175	2	0.02	31	340	6	0.01	<2	1
KAM143519		1.60	<10	<1	0.30	80	0.04	665	2	0.01	9	340	7	0.01	14	1
KAM143520		3.09	10	<1	0.16	<10	0.78	470	7	0.12	29	570	3	0.04	2	5
KAM143521		1.99	<10	<1	0.24	60	0.03	343	4	<0.01	4	340	7	0.01	19	1
KAM143522		1.55	<10	<1	0.27	60	0.03	206	3	<0.01	4	290	5	0.01	12	1
KAM143523		1.83	<10	1	0.32	50	0.03	242	7	<0.01	5	250	12	0.05	8	2
KAM143524		1.86	<10	<1	0.28	50	0.03	662	4	<0.01	13	240	22	<0.01	23	2



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**CERTIFICATE OF ANALYSIS WH13124381**

Sample Description	Method Analyte Units LOR	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
KAM143485		18	30	0.03	<10	<10	17	<10
KAM143486		53	<20	0.01	<10	<10	13	<10
KAM143487		126	20	0.02	<10	<10	45	<10
KAM143488		52	20	0.06	<10	<10	25	<10
KAM143489		24	30	0.02	<10	<10	11	<10
KAM143490		54	<20	0.08	<10	<10	53	20
KAM143491		24	30	0.03	<10	<10	10	<10
KAM143492		24	20	0.05	<10	<10	15	<10
KAM143493		49	30	0.04	<10	<10	27	<10
KAM143494		42	30	0.02	<10	<10	12	<10
KAM143495		24	30	<0.01	<10	<10	3	<10
KAM143496		21	30	<0.01	<10	<10	3	<10
KAM143497		21	20	<0.01	<10	<10	5	<10
KAM143498		33	20	<0.01	<10	<10	7	<10
KAM143499		31	30	<0.01	<10	<10	6	<10
KAM143500		53	<20	0.15	<10	<10	68	<10
KAM143501		34	30	<0.01	<10	<10	5	<10
KAM143502		33	20	<0.01	<10	<10	4	<10
KAM143503		56	20	<0.01	<10	<10	4	<10
KAM143504		35	30	<0.01	<10	<10	1	<10
KAM143505		41	40	<0.01	<10	<10	2	<10
KAM143506		58	20	<0.01	<10	<10	1	<10
KAM143507		36	20	<0.01	<10	<10	1	<10
KAM143508		15	30	<0.01	<10	<10	1	<10
KAM143509		13	30	<0.01	<10	<10	1	<10
KAM143510		48	<20	0.15	<10	<10	72	20
KAM143511		15	30	<0.01	<10	<10	1	<10
KAM143512		21	30	<0.01	<10	10	2	<10
KAM143513		16	20	0.01	<10	<10	6	<10
KAM143514		31	30	0.02	<10	<10	14	<10
KAM143515		11	20	0.01	<10	<10	5	<10
KAM143516		23	30	<0.01	<10	<10	6	<10
KAM143517		19	30	0.01	<10	<10	7	<10
KAM143518		19	30	0.01	<10	<10	4	<10
KAM143519		17	30	<0.01	<10	<10	3	<10
KAM143520		52	<20	0.15	<10	<10	66	<10
KAM143521		22	20	<0.01	<10	<10	4	<10
KAM143522		19	30	<0.01	<10	<10	3	<10
KAM143523		57	20	<0.01	<10	10	4	<10
KAM143524		22	20	<0.01	<10	10	5	<10



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	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
		0.02	0.001	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
KAM143525		1.80	7.65		0.3	0.50	1190	<10	90	1.4	3	0.14	<0.5	5	6	5
KAM143526		1.78	0.206		<0.2	0.79	251	<10	120	1.1	6	0.10	<0.5	7	10	4
KAM143527		1.88	0.045		<0.2	0.78	193	<10	110	0.9	<2	0.09	<0.5	6	9	3
KAM143528		1.80	0.031		<0.2	0.78	238	<10	100	1.0	<2	0.14	<0.5	5	19	3
KAM143529		1.59	0.016		0.2	0.79	338	<10	200	1.2	<2	0.11	<0.5	5	13	3
KAM143530		0.05	1.250		1.6	1.55	8	<10	1220	<0.5	<2	1.04	0.9	8	34	73
KAM143531		2.00	0.023		0.2	0.48	98	<10	140	0.5	<2	0.04	<0.5	2	6	8
KAM143532		1.80	0.013		0.2	0.60	314	<10	220	0.8	5	0.08	<0.5	3	8	6
KAM143533		1.77	0.005		<0.2	0.75	189	<10	80	0.7	<2	0.07	<0.5	4	7	4
KAM143534		1.39	0.011		0.2	0.78	395	<10	370	0.9	<2	0.09	<0.5	4	11	3
KAM143535		1.56	0.012		<0.2	0.71	343	<10	360	0.8	6	0.12	<0.5	4	11	6
KAM143536		1.60	0.012		<0.2	0.78	517	<10	250	1.0	6	0.13	<0.5	5	16	4
KAM143537		2.12	0.013		<0.2	0.77	517	<10	120	1.1	<2	0.13	<0.5	6	10	4
KAM143538		1.81	0.005		<0.2	0.82	271	<10	120	0.7	3	0.10	<0.5	7	10	5
KAM143539		1.74	0.013		0.2	0.97	446	<10	220	1.1	6	0.17	<0.5	17	16	5
KAM143540		0.05	0.002		0.2	1.75	7	<10	110	<0.5	<2	1.01	<0.5	9	36	45
KAM143541		2.07	0.006		0.2	0.69	280	<10	190	0.8	3	0.07	<0.5	8	10	3
KAM143542		2.29	0.004		<0.2	0.75	103	<10	70	0.7	<2	0.09	<0.5	7	32	3
KAM143543		1.95	0.001		<0.2	0.81	58	<10	80	0.7	<2	0.10	<0.5	6	7	2
KAM143544		2.36	0.004		<0.2	0.80	64	<10	80	0.8	<2	0.10	<0.5	6	7	2
KAM143545		1.98	0.002		<0.2	0.63	341	<10	130	0.9	<2	0.09	<0.5	7	7	6
KAM143546		2.16	0.003		0.2	0.63	1090	<10	190	0.9	<2	0.10	<0.5	6	6	4
KAM143547		1.71	0.002		<0.2	0.69	125	<10	90	0.6	2	0.03	<0.5	4	5	2
KAM143548		1.98	0.011		<0.2	0.56	855	<10	130	0.6	<2	0.05	<0.5	6	8	2
KAM143549		2.02	0.004		0.2	0.60	769	<10	240	0.6	3	0.03	<0.5	6	7	3
KAM143550		0.05	0.824		0.8	0.70	207	<10	80	1.0	13	17.8	1.7	3	24	80
KAM143551		1.88	0.011		<0.2	0.56	335	<10	180	0.8	2	0.05	<0.5	7	8	5
KAM143552		1.74	0.006		0.2	0.71	1540	<10	170	1.2	5	0.09	<0.5	14	25	7
KAM143553		1.80	0.008		0.3	0.29	632	<10	160	0.8	2	0.04	<0.5	11	31	15
KAM143554		2.09	0.019		0.6	0.22	2010	<10	190	0.6	<2	0.06	<0.5	3	9	8
KAM143555		2.53	0.004		<0.2	0.26	874	<10	590	1.0	<2	0.04	<0.5	9	9	3
KAM143556		1.96	0.603		<0.2	0.42	2460	<10	810	1.4	<2	0.06	<0.5	12	21	7
KAM143557		1.67	0.458		<0.2	0.32	3820	<10	590	<0.5	<2	0.02	<0.5	1	8	2
KAM143558		1.93	0.221		<0.2	0.42	2090	10	420	<0.5	<2	0.04	<0.5	1	8	2
KAM143559		1.45	0.368		<0.2	0.61	2370	<10	380	0.9	5	0.07	<0.5	17	11	7
KAM143560		0.05	0.003		<0.2	1.72	7	<10	110	<0.5	<2	0.92	<0.5	8	36	44
KAM143561		1.95	0.010		<0.2	0.71	605	<10	130	1.0	4	0.05	<0.5	7	7	2
KAM143562		1.76	0.009		<0.2	0.44	98	<10	250	<0.5	3	0.09	<0.5	1	8	1
KAM143563		1.68	0.005		<0.2	0.37	50	<10	150	<0.5	5	0.12	<0.5	3	12	2
KAM143564		1.49	0.011		<0.2	0.55	333	<10	110	0.9	2	0.05	<0.5	3	11	8



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Sample Description	Method Analyte Units LOR	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
KAM143525		1.74	<10	1	0.30	50	0.03	184	2	<0.01	9	270	22	<0.01	43	1
KAM143526		1.69	<10	1	0.32	40	0.08	329	1	<0.01	10	340	5	<0.01	30	2
KAM143527		1.42	<10	1	0.30	40	0.06	350	1	<0.01	12	340	6	<0.01	25	2
KAM143528		1.55	<10	<1	0.25	40	0.05	188	1	<0.01	13	490	7	<0.01	32	3
KAM143529		1.86	<10	<1	0.21	40	0.05	509	1	<0.01	12	350	7	<0.01	48	2
KAM143530		3.10	<10	1	0.14	<10	0.76	474	8	0.09	33	570	85	0.10	3	5
KAM143531		0.87	<10	<1	0.18	20	0.01	161	2	<0.01	3	150	4	0.01	9	1
KAM143532		1.32	<10	<1	0.20	50	0.02	513	1	<0.01	6	270	15	<0.01	25	2
KAM143533		1.45	<10	<1	0.17	40	0.03	118	1	<0.01	3	180	7	<0.01	14	2
KAM143534		1.39	<10	<1	0.22	50	0.04	1150	1	<0.01	7	240	5	<0.01	27	2
KAM143535		1.36	<10	1	0.16	50	0.05	1130	1	<0.01	6	350	7	<0.01	23	3
KAM143536		1.71	<10	<1	0.16	60	0.05	717	1	<0.01	6	380	5	<0.01	39	3
KAM143537		1.69	<10	1	0.17	60	0.04	301	1	<0.01	6	400	7	<0.01	16	3
KAM143538		1.59	<10	<1	0.13	60	0.04	288	1	<0.01	4	330	6	<0.01	11	2
KAM143539		2.85	<10	<1	0.17	60	0.08	583	1	0.02	7	460	6	<0.01	12	2
KAM143540		3.04	<10	1	0.16	<10	0.77	465	7	0.11	30	560	3	0.04	2	5
KAM143541		1.70	<10	<1	0.19	50	0.03	294	2	<0.01	5	330	7	0.01	7	1
KAM143542		1.45	<10	<1	0.35	40	0.15	207	1	0.01	10	410	4	<0.01	3	1
KAM143543		1.65	<10	<1	0.38	50	0.14	135	1	0.01	5	410	6	<0.01	<2	2
KAM143544		1.75	<10	<1	0.36	70	0.15	161	1	0.01	5	420	5	<0.01	<2	2
KAM143545		1.77	<10	<1	0.19	70	0.04	381	2	<0.01	6	420	10	<0.01	6	2
KAM143546		1.88	<10	1	0.23	60	0.03	259	2	<0.01	4	400	12	0.01	4	2
KAM143547		1.82	<10	<1	0.28	50	0.02	77	2	<0.01	3	230	5	0.10	3	1
KAM143548		2.16	<10	1	0.25	50	0.02	290	3	<0.01	5	250	11	0.03	7	1
KAM143549		2.15	<10	1	0.21	40	0.02	174	2	<0.01	5	230	8	0.13	6	2
KAM143550		2.39	<10	2	0.19	10	3.49	1790	66	<0.01	82	1070	22	0.64	7	4
KAM143551		2.04	<10	<1	0.14	50	0.02	285	2	<0.01	15	260	15	0.01	5	4
KAM143552		2.93	<10	2	0.17	50	0.03	641	2	<0.01	116	340	17	0.02	11	5
KAM143553		2.16	<10	2	0.19	10	0.02	712	2	<0.01	142	300	133	0.01	6	3
KAM143554		1.49	<10	2	0.21	10	0.01	357	2	0.01	12	180	108	0.01	11	2
KAM143555		1.71	<10	1	0.20	10	0.01	716	2	0.01	25	210	9	0.01	7	2
KAM143556		1.90	<10	2	0.21	20	0.02	558	1	0.01	52	270	13	0.09	56	3
KAM143557		1.01	<10	2	0.29	10	0.01	40	1	0.01	4	70	9	0.18	31	2
KAM143558		1.11	<10	1	0.20	30	0.01	21	3	0.01	1	60	7	0.16	8	2
KAM143559		3.38	<10	2	0.17	50	0.02	591	4	<0.01	9	200	26	0.09	15	3
KAM143560		3.02	10	<1	0.15	<10	0.74	447	7	0.12	28	550	2	0.04	<2	5
KAM143561		2.13	<10	<1	0.13	50	0.03	127	3	<0.01	3	350	3	0.04	6	2
KAM143562		1.80	<10	<1	0.18	30	0.03	20	3	0.05	1	310	3	0.27	3	1
KAM143563		1.80	<10	<1	0.36	40	0.05	54	2	0.06	2	310	6	0.51	3	2
KAM143564		1.55	<10	<1	0.21	50	0.08	138	2	0.02	2	470	8	0.01	5	3



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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
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
KAM143525		19	20	<0.01	<10	<10	8	<10	22
KAM143526		14	20	0.01	<10	<10	12	<10	21
KAM143527		14	20	0.01	<10	<10	9	<10	17
KAM143528		19	20	<0.01	<10	<10	14	<10	17
KAM143529		20	20	<0.01	<10	10	18	<10	18
KAM143530		60	<20	0.14	<10	<10	63	<10	190
KAM143531		17	30	<0.01	<10	<10	4	<10	7
KAM143532		24	30	<0.01	<10	<10	11	<10	11
KAM143533		43	30	<0.01	<10	<10	10	<10	11
KAM143534		39	30	<0.01	<10	<10	19	<10	14
KAM143535		25	30	<0.01	<10	<10	18	<10	15
KAM143536		31	20	<0.01	<10	10	23	<10	16
KAM143537		17	30	<0.01	<10	10	18	<10	17
KAM143538		21	30	<0.01	<10	<10	14	<10	10
KAM143539		19	30	<0.01	<10	10	17	<10	13
KAM143540		51	<20	0.15	<10	<10	66	<10	45
KAM143541		27	30	<0.01	<10	10	9	<10	9
KAM143542		14	30	0.01	<10	10	6	<10	13
KAM143543		11	20	0.02	<10	<10	6	<10	14
KAM143544		12	30	0.02	<10	<10	9	<10	19
KAM143545		17	20	<0.01	<10	<10	11	<10	22
KAM143546		18	20	<0.01	<10	10	5	<10	19
KAM143547		23	30	<0.01	<10	<10	4	<10	12
KAM143548		25	20	<0.01	<10	10	5	<10	20
KAM143549		44	20	<0.01	<10	10	18	<10	16
KAM143550		215	<20	0.01	<10	20	168	10	439
KAM143551		18	30	<0.01	<10	10	24	<10	18
KAM143552		37	20	<0.01	<10	20	25	<10	24
KAM143553		19	<20	<0.01	<10	10	42	<10	27
KAM143554		20	140	<0.01	<10	10	30	<10	19
KAM143555		23	20	<0.01	<10	10	50	<10	27
KAM143556		45	<20	<0.01	<10	10	46	<10	40
KAM143557		46	<20	<0.01	<10	<10	19	<10	5
KAM143558		38	30	<0.01	<10	<10	7	<10	4
KAM143559		58	40	<0.01	<10	20	15	<10	14
KAM143560		50	<20	0.14	<10	<10	65	<10	44
KAM143561		54	30	<0.01	<10	10	10	<10	5
KAM143562		69	30	0.01	<10	<10	7	<10	<2
KAM143563		46	20	0.03	<10	<10	37	<10	6
KAM143564		19	30	0.01	<10	10	34	<10	14



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	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
		0.02	0.001	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
KAM143565		1.63	0.004		<0.2	0.38	785	<10	140	1.4	<2	0.06	<0.5	6	9	6
KAM143566		2.27	0.015		<0.2	0.87	234	<10	140	1.0	<2	0.18	<0.5	7	17	5
KAM143567		2.08	0.003		<0.2	0.82	303	<10	100	1.0	<2	0.16	<0.5	8	9	3
KAM143568		2.18	0.018		<0.2	0.67	532	<10	620	1.0	2	0.14	<0.5	8	10	4
KAM143569		1.97	0.002		<0.2	0.85	71	<10	540	0.6	<2	0.19	<0.5	5	9	3
KAM143570		0.05	NSS		18.5	1.22	337	10	30	<0.5	5	0.78	6.7	13	34	733
KAM143571		2.12	0.007		<0.2	0.76	77	<10	630	0.6	<2	0.12	<0.5	8	11	3
KAM143572		2.20	0.006		<0.2	0.65	57	<10	360	<0.5	<2	0.19	<0.5	7	10	4
KAM143573		2.26	0.057		<0.2	1.05	110	<10	1440	1.1	<2	0.29	<0.5	11	53	49
KAM143574		1.92	0.020		0.2	0.83	102	<10	1090	1.0	<2	0.20	<0.5	9	54	50
KAM143575		2.10	0.006		<0.2	0.32	151	<10	110	<0.5	<2	0.05	<0.5	5	15	9
KAM143576		1.90	0.037		<0.2	0.40	279	<10	80	0.5	<2	0.03	<0.5	5	16	6
KAM143577		1.86	0.016		<0.2	0.61	202	<10	440	0.6	<2	0.02	<0.5	4	9	1
KAM143578		2.43	0.009		<0.2	0.62	192	<10	70	0.7	<2	0.06	<0.5	5	17	3
KAM143579		1.60	0.006		<0.2	0.55	147	<10	90	0.7	2	0.05	<0.5	7	30	9
KAM143580		0.05	0.001		<0.2	1.77	4	10	110	<0.5	<2	0.95	<0.5	9	37	45
KAM143581		2.15	0.007		<0.2	0.55	81	<10	250	0.5	<2	0.06	<0.5	5	22	6
KAM143582		2.16	0.003		<0.2	0.36	28	<10	140	<0.5	<2	0.04	<0.5	1	9	1
KAM143583		2.12	0.005		<0.2	0.57	70	<10	300	<0.5	<2	0.10	<0.5	4	11	3
KAM143584		1.77	0.001		<0.2	0.39	64	<10	290	<0.5	<2	0.06	<0.5	4	9	1





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Sample Description	Method Analyte Units LOR	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
KAM143565		1.70	<10	<1	0.25	40	0.05	367	1	0.02	5	480	8	0.01	5	3
KAM143566		2.07	<10	<1	0.43	40	0.27	296	1	0.04	6	480	6	<0.01	4	3
KAM143567		1.45	<10	<1	0.30	50	0.14	222	1	0.02	6	470	5	<0.01	4	2
KAM143568		1.88	<10	<1	0.25	60	0.09	271	2	0.02	5	410	7	0.02	8	2
KAM143569		1.81	<10	<1	0.44	50	0.22	163	2	0.04	3	390	4	0.02	3	1
KAM143570		5.39	10	1	0.16	<10	0.56	479	13	0.06	28	550	615	3.13	7	4
KAM143571		1.97	<10	<1	0.41	70	0.22	197	2	0.04	6	410	5	0.03	2	1
KAM143572		1.90	<10	<1	0.27	50	0.17	124	2	0.04	4	380	3	0.44	3	2
KAM143573		3.01	10	1	0.55	50	0.52	308	2	0.04	218	470	4	0.04	3	3
KAM143574		2.24	<10	<1	0.62	10	0.50	367	1	0.02	198	350	13	0.03	4	3
KAM143575		1.29	<10	<1	0.24	10	0.07	271	1	0.01	17	150	11	<0.01	8	2
KAM143576		1.37	<10	<1	0.15	30	0.02	193	2	0.01	13	130	17	<0.01	7	1
KAM143577		1.59	<10	<1	0.18	40	0.02	108	3	<0.01	5	200	8	0.03	4	1
KAM143578		2.09	<10	<1	0.19	40	0.09	63	1	0.03	5	160	6	0.01	5	1
KAM143579		1.74	<10	<1	0.24	50	0.13	111	1	0.04	10	170	4	<0.01	5	2
KAM143580		3.08	10	1	0.15	<10	0.76	457	7	0.12	29	570	3	0.04	<2	5
KAM143581		1.55	<10	<1	0.24	60	0.15	198	2	0.05	2	190	2	0.01	3	1
KAM143582		1.38	<10	<1	0.25	20	0.03	24	3	0.05	1	220	2	0.21	2	<1
KAM143583		1.80	<10	<1	0.27	70	0.16	93	2	0.04	2	330	3	0.27	3	1
KAM143584		1.36	<10	<1	0.22	50	0.06	76	2	0.05	2	250	2	0.04	<2	<1



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	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Sr	Th	Ti	Tl	U	V	W	Zn
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	1	20	0.01	10	10	1	10	2
KAM143565	22	40	0.01	<10	10	31	<10	15
KAM143566	34	20	0.05	<10	<10	26	<10	22
KAM143567	14	30	0.01	<10	<10	12	<10	17
KAM143568	19	30	0.01	<10	<10	13	<10	14
KAM143569	22	30	0.06	<10	<10	9	<10	11
KAM143570	34	<20	0.06	<10	<10	44	<10	1320
KAM143571	19	30	0.04	<10	<10	9	<10	11
KAM143572	21	20	0.05	<10	<10	9	<10	7
KAM143573	50	30	0.08	<10	<10	31	<10	16
KAM143574	47	30	0.07	<10	<10	43	<10	17
KAM143575	20	30	0.01	<10	<10	46	<10	11
KAM143576	17	30	<0.01	<10	<10	16	<10	7
KAM143577	19	30	<0.01	<10	10	7	<10	4
KAM143578	12	30	<0.01	<10	<10	14	<10	5
KAM143579	13	30	0.01	<10	<10	20	<10	6
KAM143580	51	<20	0.15	<10	<10	67	<10	44
KAM143581	19	30	0.01	<10	<10	8	<10	5
KAM143582	48	30	<0.01	<10	<10	2	<10	<2
KAM143583	27	30	0.02	<10	<10	7	<10	6
KAM143584	20	30	0.01	<10	<10	4	<10	2

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Finalized Date: 19-JUL-2013  
 Account: KAMGOL

Project: Coffee

**CERTIFICATE OF ANALYSIS WH13124381**

	CERTIFICATE COMMENTS
	<p><b>ANALYTICAL COMMENTS</b></p> <p>Applies to Method: NSS is non-sufficient sample. ALL METHODS</p> <p><b>LABORATORY ADDRESSES</b></p> <p>Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.</p> <p>Applies to Method: CRU-31 CRU-QC LOG-21 LOG-23 PUL-31 PUL-QC SPL-21 WEI-21</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <p>Applies to Method: Au-GRA21 Au-ICP21 ME-ICP41</p>