



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-APR-2013  
Account: KAMGOL

**CERTIFICATE WH13061798**

Project: Coffee

P.O. No.: KGC-13-1068

This report is for 116 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 10-APR-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.

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH13061798**

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
KAM132329		3.42	0.010	<0.2	1.59	39	<10	240	0.7	2	8.5	<0.5	14	32	20	2.59
KAM132330		0.05	6.11	17.8	1.22	332	<10	30	<0.5	5	0.83	7.2	13	35	752	5.73
KAM132331		4.87	0.004	<0.2	1.02	32	<10	240	0.5	<2	6.01	<0.5	8	17	11	1.75
KAM132332		4.12	0.003	<0.2	1.81	144	<10	520	1.4	2	6.99	<0.5	21	82	23	4.18
KAM132333		3.64	0.018	0.2	1.76	1150	<10	310	1.4	3	6.44	<0.5	31	207	26	4.45
KAM132334		2.58	0.002	<0.2	0.99	233	<10	200	1.0	2	7.2	<0.5	25	109	16	3.31
KAM132335		1.42	0.001	<0.2	0.53	947	<10	40	1.0	2	6.9	<0.5	55	359	5	2.86
KAM132336		2.44	0.002	0.2	2.02	20	<10	420	1.1	2	4.86	<0.5	18	53	28	3.56
KAM132337		2.55	0.001	0.2	1.93	30	<10	1700	1.2	2	5.61	<0.5	18	98	16	3.44
KAM132338		2.45	0.001	0.2	1.96	12	<10	530	0.7	2	2.82	<0.5	16	48	28	3.48
KAM132339		2.24	0.001	<0.2	1.96	14	<10	1200	0.9	2	2.31	<0.5	14	39	21	3.11
KAM132340		0.05	0.002	<0.2	1.73	4	<10	110	<0.5	2	0.99	<0.5	9	36	45	3.06
KAM132341		2.52	0.020	<0.2	1.42	54	<10	520	0.9	<2	4.80	<0.5	13	36	21	2.75
KAM132342		1.82	0.055	1.5	2.19	866	<10	2360	1.7	<2	4.25	<0.5	14	34	38	2.98
KAM132343		2.26	0.241	0.6	0.86	2340	<10	560	0.9	<2	4.71	<0.5	20	13	56	3.78
KAM132344		2.44	0.019	0.4	1.15	165	<10	350	0.8	<2	3.20	<0.5	13	18	19	2.52
KAM132345		2.26	0.101	0.3	0.63	39	<10	390	0.6	<2	5.73	<0.5	10	8	10	1.82
KAM132346		2.49	0.008	<0.2	1.34	84	<10	330	0.8	2	11.1	<0.5	13	36	19	2.33
KAM132347		2.39	0.006	<0.2	2.08	30	<10	820	0.8	2	3.09	<0.5	16	27	18	3.14
KAM132348		2.18	0.003	<0.2	1.93	28	<10	650	0.7	<2	1.03	<0.5	11	21	14	3.11
KAM132349		2.58	0.003	<0.2	1.66	21	<10	340	0.7	2	1.53	<0.5	11	27	11	2.57
KAM132350		0.05	9.26	1.3	1.18	17	<10	40	<0.5	<2	0.71	<0.5	12	30	57	3.35
KAM132351		1.96	0.026	0.2	2.91	41	<10	540	1.0	2	5.10	<0.5	35	159	34	5.61
KAM132352		1.73	0.007	0.2	1.82	35	<10	330	0.8	2	7.2	<0.5	13	37	19	2.88
KAM132353		2.53	1.240	0.2	2.17	546	<10	1100	0.9	2	6.61	<0.5	15	60	22	3.53
KAM132354		2.04	0.009	0.2	1.95	131	<10	540	0.9	3	8.2	<0.5	16	44	23	3.27
KAM132355		2.48	0.011	<0.2	1.83	29	<10	390	0.8	2	1.63	<0.5	12	74	11	2.66
KAM132356		2.42	0.003	<0.2	3.02	15	<10	950	1.0	2	3.91	<0.5	21	153	21	4.18
KAM132357		2.30	0.020	0.6	2.07	40	<10	350	1.0	38	1.52	<0.5	18	48	18	3.45
KAM132358		2.21	0.008	<0.2	2.32	97	<10	300	1.0	<2	0.27	<0.5	20	56	36	3.98
KAM132359		2.81	0.018	<0.2	2.39	87	<10	640	0.9	2	2.12	<0.5	18	73	19	3.76
KAM132360		0.05	0.007	<0.2	1.88	4	<10	120	<0.5	2	1.08	<0.5	9	39	49	3.28
KAM132361		2.75	0.005	<0.2	2.51	10	<10	710	0.7	<2	2.24	<0.5	17	41	16	3.86
KAM132362		2.53	0.094	0.2	2.20	16	<10	560	0.7	2	1.89	<0.5	16	49	15	3.80
KAM132363		2.60	0.004	0.2	1.97	77	<10	750	1.1	<2	3.55	<0.5	14	72	16	3.13
KAM132364		2.25	0.006	<0.2	2.08	150	<10	460	1.7	<2	3.25	<0.5	22	100	27	3.83
KAM132365		2.55	0.007	<0.2	1.47	25	<10	210	0.9	2	6.7	<0.5	15	52	24	3.40
KAM132366		2.45	0.100	0.3	1.00	26	<10	90	1.0	<2	6.35	<0.5	15	33	22	3.27
KAM132367		2.26	0.904	0.3	0.97	998	<10	150	1.1	2	4.55	<0.5	18	25	20	4.22
KAM132368		2.49	0.035	0.3	1.87	288	<10	530	1.5	<2	5.68	<0.5	22	98	33	3.96



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**CERTIFICATE OF ANALYSIS WH13061798**

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
KAM132329		10	<1	0.63	40	0.86	570	1	0.01	36	520	14	<0.01	<2	6	240
KAM132330		<10	<1	0.17	<10	0.59	508	13	0.06	29	570	642	3.18	6	4	35
KAM132331		<10	<1	0.54	40	0.40	396	1	0.01	13	440	10	<0.01	<2	3	138
KAM132332		10	<1	0.89	30	1.08	636	<1	0.01	109	880	12	<0.01	3	8	121
KAM132333		10	1	0.75	20	1.87	716	1	0.04	172	1490	8	0.03	2	10	184
KAM132334		<10	<1	0.23	30	0.66	769	1	<0.01	191	710	16	<0.01	5	8	121
KAM132335		<10	1	0.05	10	1.98	794	1	<0.01	931	120	18	<0.01	9	7	231
KAM132336		10	<1	1.14	30	0.96	587	1	0.01	56	750	14	<0.01	2	7	150
KAM132337		10	<1	1.30	30	1.46	710	1	0.01	84	590	9	0.04	<2	7	226
KAM132338		10	<1	1.26	30	1.10	612	1	0.02	41	540	6	0.43	<2	7	62
KAM132339		10	<1	1.20	40	1.02	481	1	0.02	32	680	9	0.13	2	6	81
KAM132340		10	<1	0.16	<10	0.77	468	7	0.11	28	550	<2	0.03	<2	5	51
KAM132341		10	<1	0.77	30	0.60	541	1	0.01	25	570	8	0.10	3	5	137
KAM132342		10	1	0.28	30	0.45	323	1	0.01	27	1370	369	0.07	29	8	142
KAM132343		<10	2	0.42	20	0.18	542	2	<0.01	25	490	45	0.04	25	4	113
KAM132344		<10	<1	0.61	40	0.37	487	2	0.01	17	570	42	<0.01	3	3	90
KAM132345		<10	<1	0.39	40	0.14	427	1	0.01	9	420	19	0.01	<2	2	137
KAM132346		<10	<1	0.58	30	0.64	623	<1	0.01	30	630	16	<0.01	<2	5	273
KAM132347		10	<1	1.39	30	1.31	519	<1	0.03	23	910	9	<0.01	<2	5	96
KAM132348		10	<1	1.26	50	1.10	514	<1	0.04	14	970	9	<0.01	<2	5	45
KAM132349		<10	<1	1.12	50	0.89	486	<1	0.03	19	730	9	<0.01	<2	4	51
KAM132350		<10	3	0.21	10	0.62	371	855	0.08	26	440	8	1.37	28	4	56
KAM132351		10	<1	1.61	20	2.09	1020	<1	0.03	100	1350	17	<0.01	<2	11	112
KAM132352		10	<1	1.07	20	0.97	449	<1	0.02	27	410	13	<0.01	<2	6	226
KAM132353		10	<1	1.37	20	1.47	627	<1	0.01	36	750	13	0.03	<2	9	208
KAM132354		10	<1	1.07	30	1.11	663	<1	0.01	27	1000	17	<0.01	<2	9	234
KAM132355		10	<1	1.21	40	1.18	467	<1	0.03	39	630	11	<0.01	<2	5	61
KAM132356		10	<1	2.10	30	2.42	756	<1	0.03	73	950	9	<0.01	<2	11	195
KAM132357		10	<1	1.30	60	1.04	621	<1	0.03	29	620	63	<0.01	<2	7	67
KAM132358		10	<1	1.27	30	1.00	443	1	0.03	52	480	5	<0.01	<2	7	22
KAM132359		10	<1	1.40	30	1.35	409	1	0.04	37	550	7	0.17	<2	11	64
KAM132360		10	<1	0.17	<10	0.83	507	7	0.12	31	590	<2	0.03	<2	5	56
KAM132361		10	<1	1.67	40	1.41	652	1	0.03	28	890	8	0.08	<2	8	80
KAM132362		10	<1	1.51	40	1.27	542	3	0.05	30	830	9	0.22	<2	8	79
KAM132363		10	<1	1.25	40	1.42	562	1	0.02	44	650	13	0.06	4	8	451
KAM132364		10	1	0.80	30	1.33	686	<1	0.01	62	910	32	0.07	5	14	89
KAM132365		10	<1	0.53	20	1.09	565	1	0.01	36	570	13	0.11	2	10	181
KAM132366		<10	<1	0.26	30	1.29	674	1	0.01	32	370	18	0.05	4	7	184
KAM132367		<10	<1	0.32	40	0.28	906	3	<0.01	38	640	21	0.02	5	5	94
KAM132368		10	<1	0.87	20	2.00	675	<1	0.01	70	530	36	0.16	4	14	212



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**CERTIFICATE OF ANALYSIS WH13061798**

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
KAM132329		<20	0.07	<10	<10	27	<10	37
KAM132330		<20	0.06	<10	<10	44	<10	1295
KAM132331		20	0.04	<10	<10	16	<10	28
KAM132332		<20	0.08	<10	<10	54	<10	56
KAM132333		<20	0.11	<10	<10	77	<10	57
KAM132334		<20	0.01	<10	<10	46	<10	54
KAM132335		<20	<0.01	<10	<10	25	<10	91
KAM132336		<20	0.11	<10	<10	54	<10	64
KAM132337		<20	0.13	<10	<10	75	<10	59
KAM132338		<20	0.14	<10	<10	51	<10	61
KAM132339		20	0.14	<10	<10	41	<10	57
KAM132340		<20	0.15	<10	<10	64	<10	42
KAM132341		<20	0.05	<10	<10	28	<10	42
KAM132342		<20	0.03	<10	<10	41	<10	78
KAM132343		<20	0.01	<10	<10	19	960	46
KAM132344		20	0.03	<10	<10	19	1140	38
KAM132345		20	0.01	<10	<10	7	810	28
KAM132346		20	0.04	<10	<10	32	10	32
KAM132347		20	0.12	<10	<10	32	<10	46
KAM132348		20	0.14	<10	<10	32	<10	52
KAM132349		20	0.11	<10	<10	23	<10	47
KAM132350		<20	0.09	<10	<10	55	20	55
KAM132351		<20	0.23	<10	<10	102	<10	96
KAM132352		<20	0.11	<10	<10	33	<10	43
KAM132353		<20	0.13	<10	<10	64	<10	53
KAM132354		<20	0.11	<10	<10	65	<10	55
KAM132355		20	0.12	<10	<10	37	<10	46
KAM132356		<20	0.22	<10	<10	100	<10	60
KAM132357		20	0.15	<10	<10	42	<10	52
KAM132358		20	0.14	<10	<10	50	<10	53
KAM132359		<20	0.13	<10	<10	66	<10	47
KAM132360		<20	0.16	<10	<10	70	<10	45
KAM132361		20	0.19	<10	<10	65	<10	59
KAM132362		20	0.16	<10	<10	63	<10	55
KAM132363		20	0.12	<10	<10	62	<10	46
KAM132364		<20	0.06	<10	<10	79	<10	64
KAM132365		<20	0.04	<10	<10	56	<10	56
KAM132366		<20	<0.01	<10	<10	38	<10	53
KAM132367		20	<0.01	<10	<10	33	130	65
KAM132368		<20	0.07	<10	<10	81	<10	63



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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
KAM132369		2.03	0.239	0.2	1.10	3020	<10	150	1.4	4	4.11	<0.5	28	65	44	4.30
KAM132370		0.05	0.805	1.0	0.63	206	<10	80	1.0	14	18.2	1.6	4	24	81	2.43
KAM132371		2.51	0.610	0.2	1.16	2440	<10	350	1.3	<2	2.63	<0.5	19	80	22	3.76
KAM132372		2.21	2.56	<0.2	1.08	1775	<10	130	1.2	<2	0.94	<0.5	20	54	46	3.71
KAM132373		2.44	0.016	<0.2	2.14	337	<10	440	1.5	<2	0.93	<0.5	13	37	11	4.25
KAM132374		2.36	0.034	<0.2	2.86	153	<10	530	1.6	<2	1.82	<0.5	15	54	20	4.45
KAM132375		2.33	0.006	<0.2	2.37	107	<10	620	1.7	<2	1.23	<0.5	17	90	15	3.92
KAM132376		2.11	0.008	<0.2	2.84	192	<10	300	1.9	<2	1.04	<0.5	21	87	27	4.66
KAM132377		2.50	0.004	<0.2	1.94	75	<10	240	1.4	<2	2.01	<0.5	13	48	18	3.45
KAM132378		2.34	0.007	<0.2	1.74	81	<10	290	1.2	<2	0.83	<0.5	9	17	9	3.11
KAM132379		2.25	0.005	<0.2	1.76	55	<10	1070	1.3	2	5.67	<0.5	19	250	21	2.90
KAM132380		0.05	0.003	<0.2	1.77	7	<10	110	<0.5	<2	1.03	<0.5	8	36	45	3.05
KAM132381		2.45	0.006	<0.2	1.16	43	<10	370	0.8	<2	1.08	<0.5	8	19	12	2.03
KAM132382		2.08	0.001	<0.2	1.65	160	<10	310	1.2	<2	0.30	<0.5	11	70	15	2.94
KAM132383		2.29	0.004	<0.2	1.85	135	<10	250	1.1	<2	0.28	<0.5	12	65	12	3.61
KAM132384		2.08	0.004	<0.2	1.44	166	<10	150	1.2	<2	0.68	<0.5	14	38	23	2.85
KAM132385		2.03	0.010	<0.2	1.56	162	<10	270	1.4	<2	1.33	<0.5	17	46	29	3.70
KAM132386		2.05	0.003	<0.2	0.99	67	<10	190	0.9	<2	1.55	<0.5	7	30	12	2.12
KAM132387		2.03	0.002	<0.2	1.14	95	<10	140	0.9	<2	1.70	<0.5	7	61	11	2.23
KAM132388		1.95	0.001	<0.2	0.97	117	<10	110	0.6	<2	0.36	<0.5	3	9	11	1.30
KAM132389		2.37	0.002	<0.2	1.01	150	<10	120	0.8	<2	0.21	<0.5	7	16	10	1.70
KAM132390		0.05	1.245	1.5	1.52	12	<10	1210	<0.5	<2	1.04	0.8	9	33	70	3.06
KAM132391		2.39	0.002	<0.2	0.89	74	<10	140	0.8	<2	1.04	<0.5	8	15	13	1.75
KAM132392		2.50	0.001	<0.2	1.25	43	<10	130	0.8	<2	1.52	<0.5	8	25	14	2.12
KAM132393		2.32	0.001	<0.2	1.56	18	<10	290	1.0	<2	1.36	<0.5	9	43	14	2.52
KAM132394		2.21	0.003	<0.2	1.42	32	<10	530	0.9	<2	0.42	<0.5	8	38	12	2.37
KAM132395		1.70	0.002	<0.2	1.11	82	<10	2370	0.8	<2	0.58	<0.5	8	28	13	2.48
KAM132396		1.73	0.001	<0.2	0.74	111	<10	1720	0.5	<2	1.00	<0.5	6	16	11	1.57
KAM132397		2.22	0.002	<0.2	1.14	14	<10	790	0.7	<2	2.07	<0.5	5	14	4	1.88
KAM132398		1.63	0.001	<0.2	0.99	13	<10	500	0.8	<2	2.07	<0.5	4	17	4	1.67
KAM132399		1.79	<0.001	<0.2	1.04	17	<10	140	1.0	<2	1.90	<0.5	4	13	9	1.59
KAM132400		0.05	0.002	<0.2	1.82	8	<10	100	<0.5	<2	1.04	<0.5	8	38	49	3.19
KAM132401		1.94	<0.001	<0.2	0.76	10	<10	330	0.6	<2	1.82	<0.5	3	19	9	1.15
KAM132402		2.34	0.001	<0.2	2.00	10	<10	120	0.6	<2	3.76	<0.5	16	149	5	1.99
KAM132403		2.46	0.001	<0.2	2.25	6	<10	200	0.8	<2	2.15	<0.5	10	58	5	2.12
KAM132404		2.54	<0.001	<0.2	3.29	4	<10	190	<0.5	<2	2.16	<0.5	24	220	10	1.90
KAM132405		2.73	<0.001	<0.2	3.10	4	<10	150	<0.5	<2	0.95	<0.5	32	132	34	1.97
KAM132406		2.32	0.001	<0.2	2.02	4	<10	60	<0.5	<2	2.70	<0.5	18	163	39	1.71
KAM132407		2.19	<0.001	<0.2	2.67	3	<10	130	<0.5	<2	1.58	<0.5	23	220	24	1.78
KAM132408		2.38	<0.001	<0.2	2.18	<2	<10	90	<0.5	<2	1.72	<0.5	20	192	22	1.63



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

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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
KAM132369		10	3	0.30	20	0.71	583	<1	<0.01	93	420	27	0.16	15	11
KAM132370		10	2	0.18	10	3.61	1700	67	<0.01	80	1070	22	0.62	7	4
KAM132371		<10	3	0.14	30	0.11	413	<1	<0.01	60	350	17	0.02	17	11
KAM132372		<10	4	0.14	30	0.11	456	<1	<0.01	50	410	20	0.01	23	10
KAM132373		10	<1	0.87	50	0.78	638	<1	0.01	29	810	16	0.01	4	8
KAM132374		10	1	1.55	60	1.52	782	<1	0.02	22	1300	29	0.01	5	11
KAM132375		10	<1	1.37	30	1.50	575	<1	0.03	50	540	8	0.01	3	10
KAM132376		10	1	1.16	40	1.43	656	<1	0.01	69	580	13	<0.01	5	11
KAM132377		10	<1	0.92	30	0.69	408	<1	0.01	33	510	9	<0.01	4	8
KAM132378		10	<1	0.98	50	0.73	473	<1	0.03	11	840	9	0.01	3	6
KAM132379		10	<1	0.92	30	1.95	645	<1	0.01	189	690	18	0.02	2	4
KAM132380		10	<1	0.16	<10	0.80	457	7	0.12	29	570	2	0.04	<2	5
KAM132381		10	<1	0.52	40	0.35	338	<1	0.01	13	460	22	0.01	2	4
KAM132382		10	<1	0.69	40	0.64	490	<1	0.01	30	490	21	<0.01	6	7
KAM132383		10	<1	0.94	40	0.97	407	<1	0.05	34	520	13	0.01	3	7
KAM132384		10	<1	0.60	30	0.39	451	<1	<0.01	39	460	17	<0.01	4	7
KAM132385		10	1	0.55	30	0.45	764	1	0.01	45	460	15	<0.01	4	7
KAM132386		10	<1	0.41	40	0.26	293	1	0.01	17	370	12	0.01	2	4
KAM132387		10	<1	0.43	40	0.37	374	1	0.01	16	420	24	<0.01	2	4
KAM132388		<10	<1	0.27	50	0.12	206	<1	<0.01	4	340	31	<0.01	3	2
KAM132389		<10	<1	0.22	40	0.09	407	<1	<0.01	16	510	12	<0.01	4	4
KAM132390		10	<1	0.13	<10	0.76	456	7	0.09	30	560	84	0.09	4	5
KAM132391		<10	<1	0.31	40	0.11	277	1	<0.01	17	400	21	0.04	3	2
KAM132392		10	<1	0.73	40	0.63	298	1	0.02	18	410	16	0.20	2	4
KAM132393		10	1	1.02	40	0.87	377	1	0.03	20	410	14	0.08	3	6
KAM132394		10	<1	0.84	40	0.73	370	1	0.04	16	400	13	0.01	2	5
KAM132395		10	<1	0.32	30	0.18	228	1	<0.01	15	230	21	0.07	4	5
KAM132396		<10	<1	0.15	30	0.11	192	1	<0.01	11	130	23	0.11	7	3
KAM132397		10	<1	0.39	40	0.46	283	1	0.01	7	310	23	0.28	2	3
KAM132398		10	1	0.43	30	0.59	280	2	0.01	7	310	11	0.15	<2	3
KAM132399		10	<1	0.58	40	0.49	313	2	0.03	9	340	14	0.13	<2	3
KAM132400		10	<1	0.17	<10	0.82	493	7	0.12	33	590	2	0.05	<2	5
KAM132401		<10	<1	0.45	40	0.25	237	2	0.03	7	280	8	0.15	<2	1
KAM132402		<10	<1	1.41	10	2.12	358	1	0.03	58	200	3	0.35	<2	5
KAM132403		10	<1	1.45	20	1.92	314	3	0.02	30	690	2	0.05	<2	3
KAM132404		<10	<1	2.15	<10	3.66	342	3	0.03	166	90	<2	0.09	<2	2
KAM132405		<10	<1	1.96	<10	3.23	257	10	0.04	164	50	<2	0.42	<2	2
KAM132406		<10	<1	1.41	<10	2.36	330	1	0.05	74	90	<2	0.22	<2	3
KAM132407		<10	<1	1.92	<10	3.17	298	1	0.05	103	40	<2	0.15	<2	3
KAM132408		<10	<1	1.33	<10	2.36	251	2	0.05	82	90	<2	0.23	<2	3



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

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Project: Coffee

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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
KAM132369		<20	0.01	<10	<10	53	<10	65
KAM132370		<20	0.01	<10	10	165	10	413
KAM132371		<20	<0.01	10	<10	55	<10	64
KAM132372		<20	<0.01	<10	<10	60	<10	67
KAM132373		20	0.09	<10	<10	47	<10	50
KAM132374		30	0.17	<10	<10	71	<10	91
KAM132375		<20	0.16	<10	<10	77	<10	57
KAM132376		20	0.10	<10	<10	58	<10	56
KAM132377		20	0.07	<10	<10	49	<10	56
KAM132378		20	0.10	<10	<10	33	<10	57
KAM132379		<20	0.14	<10	<10	57	<10	46
KAM132380		<20	0.14	<10	<10	66	<10	42
KAM132381		20	0.03	<10	<10	20	<10	49
KAM132382		20	0.06	<10	<10	33	<10	53
KAM132383		20	0.09	<10	<10	38	<10	59
KAM132384		20	0.04	<10	<10	30	<10	44
KAM132385		<20	0.04	<10	<10	39	<10	55
KAM132386		20	0.02	<10	<10	21	<10	39
KAM132387		20	0.03	<10	<10	24	<10	55
KAM132388		30	0.01	<10	<10	8	<10	35
KAM132389		20	0.01	<10	<10	14	<10	52
KAM132390		<20	0.14	<10	<10	63	<10	177
KAM132391		20	<0.01	<10	<10	11	<10	41
KAM132392		20	0.06	<10	<10	19	<10	49
KAM132393		20	0.09	<10	<10	37	<10	53
KAM132394		20	0.08	<10	<10	30	<10	46
KAM132395		20	0.02	<10	<10	25	<10	36
KAM132396		40	<0.01	<10	<10	23	<10	48
KAM132397		20	0.03	<10	<10	15	<10	51
KAM132398		20	0.03	<10	<10	13	<10	40
KAM132399		20	0.04	<10	10	20	<10	47
KAM132400		<20	0.15	<10	<10	69	<10	47
KAM132401		20	0.02	<10	10	6	<10	25
KAM132402		<20	0.11	<10	<10	52	<10	28
KAM132403		<20	0.11	<10	<10	36	<10	31
KAM132404		<20	0.10	<10	<10	26	<10	30
KAM132405		<20	0.08	<10	<10	20	<10	24
KAM132406		<20	0.10	<10	<10	44	<10	19
KAM132407		<20	0.10	<10	<10	43	<10	20
KAM132408		<20	0.12	<10	<10	43	<10	19



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

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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
KAM132409		2.34	0.004	<0.2	3.08	27	<10	90	<0.5	2	4.51	<0.5	30	251	23	3.03
KAM132410		0.05	1.950	0.3	1.78	8	<10	100	<0.5	<2	0.94	<0.5	11	31	33	2.86
KAM132411		3.09	0.002	<0.2	2.27	4	<10	90	<0.5	<2	3.27	<0.5	22	205	13	1.91
KAM132412		3.03	<0.001	<0.2	2.12	6	<10	80	<0.5	<2	3.17	<0.5	21	141	12	2.02
KAM132413		2.82	<0.001	<0.2	2.93	5	<10	170	<0.5	<2	2.65	<0.5	21	210	8	1.92
KAM132414		3.17	<0.001	<0.2	2.67	4	<10	160	<0.5	<2	1.60	<0.5	25	174	14	2.33
KAM132415		3.30	<0.001	<0.2	1.91	4	<10	110	<0.5	<2	2.19	<0.5	20	126	85	1.83
KAM132416		2.52	<0.001	<0.2	2.22	4	<10	140	<0.5	<2	1.80	<0.5	24	166	141	1.82
KAM132417		3.35	0.001	<0.2	2.32	6	<10	130	<0.5	<2	2.72	<0.5	19	95	41	1.35
KAM132418		2.95	0.002	<0.2	2.93	6	<10	330	<0.5	<2	4.33	<0.5	20	179	69	2.14
KAM132419		2.49	0.001	<0.2	1.47	14	<10	70	0.5	<2	3.42	<0.5	15	80	17	1.80
KAM132420		0.05	<0.001	<0.2	1.77	5	<10	100	<0.5	<2	0.99	<0.5	8	36	46	3.03
KAM132421		2.58	<0.001	<0.2	2.00	3	<10	80	<0.5	<2	2.73	<0.5	16	82	26	1.40
KAM132422		2.36	<0.001	<0.2	2.08	3	<10	80	<0.5	<2	2.10	<0.5	18	102	58	1.80
KAM132423		2.47	0.001	<0.2	2.99	11	<10	130	<0.5	2	2.78	<0.5	29	109	211	2.54
KAM132424		1.98	<0.001	<0.2	2.43	5	<10	60	<0.5	<2	2.33	<0.5	14	110	14	1.43
KAM132425		2.18	<0.001	<0.2	2.20	4	<10	80	<0.5	<2	1.82	<0.5	15	132	12	1.97
KAM132426		2.37	<0.001	<0.2	2.63	3	<10	100	<0.5	<2	1.70	<0.5	15	160	7	1.42
KAM132427		2.47	<0.001	<0.2	2.45	3	<10	90	<0.5	<2	1.21	<0.5	19	169	23	2.02
KAM132428		2.37	<0.001	<0.2	2.28	<2	<10	60	<0.5	<2	1.68	<0.5	19	199	25	1.97
KAM132429		2.10	<0.001	<0.2	2.50	9	<10	60	<0.5	<2	2.98	<0.5	21	385	17	2.38
KAM132430		0.05	0.790	0.8	0.67	200	<10	70	1.0	12	17.7	1.6	2	20	82	2.37
KAM132431		2.07	<0.001	<0.2	2.98	6	<10	80	<0.5	<2	2.51	<0.5	19	258	29	1.85
KAM132432		2.09	<0.001	<0.2	1.67	14	<10	60	<0.5	<2	1.35	<0.5	18	128	79	2.24
KAM132433		2.37	<0.001	<0.2	2.13	32	<10	50	<0.5	<2	1.44	<0.5	15	244	33	2.09
KAM132434		2.58	<0.001	<0.2	2.32	12	<10	90	<0.5	<2	2.16	<0.5	15	99	37	2.11
KAM132435		2.30	0.001	<0.2	3.14	14	<10	150	<0.5	<2	3.24	<0.5	22	134	76	2.83
KAM132436		2.64	<0.001	<0.2	3.84	3	<10	70	<0.5	<2	3.34	<0.5	13	184	13	1.42
KAM132437		2.33	0.089	0.3	2.62	17	<10	110	1.7	2	6.51	<0.5	23	276	24	2.86
KAM132438		2.96	0.017	<0.2	3.34	24	<10	120	0.6	2	4.10	<0.5	27	298	18	2.62
KAM132439		2.67	0.001	<0.2	2.72	7	<10	150	<0.5	<2	2.63	<0.5	21	215	29	2.04
KAM132440		0.05	0.002	<0.2	1.82	4	<10	110	<0.5	<2	1.05	<0.5	9	38	49	3.25
KAM132441		2.00	0.001	<0.2	2.64	5	<10	120	<0.5	2	2.23	<0.5	27	233	35	2.36
KAM132442		2.87	<0.001	<0.2	2.74	<2	<10	170	<0.5	2	2.68	<0.5	20	290	28	2.29
KAM132443		2.06	<0.001	<0.2	2.94	3	<10	180	<0.5	<2	2.56	<0.5	22	208	7	1.93
KAM132444		1.93	0.006	<0.2	2.83	192	<10	310	1.9	2	1.14	<0.5	20	91	28	4.90





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

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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
KAM132409		<10	<1	1.70	<10	4.32	535	1	0.03	169	90	2	0.21	<2	10	226
KAM132410		10	<1	0.15	<10	0.84	444	3	0.10	25	610	6	0.05	2	5	46
KAM132411		<10	<1	1.20	<10	2.71	343	1	0.05	79	60	2	0.21	<2	7	174
KAM132412		<10	<1	0.84	<10	2.63	332	2	0.04	71	110	2	0.28	<2	7	165
KAM132413		<10	<1	1.72	<10	3.47	315	1	0.05	98	50	<2	0.11	<2	6	131
KAM132414		<10	<1	1.56	<10	2.92	285	1	0.05	96	490	2	0.35	<2	4	80
KAM132415		<10	<1	0.89	10	1.92	260	1	0.06	50	200	<2	0.28	<2	4	100
KAM132416		<10	<1	1.13	<10	2.30	242	1	0.06	67	100	2	0.24	<2	4	91
KAM132417		<10	<1	0.94	<10	2.22	221	1	0.08	48	30	<2	0.14	<2	4	150
KAM132418		<10	<1	1.48	<10	3.03	395	1	0.07	62	50	3	0.21	<2	11	268
KAM132419		<10	<1	0.80	20	1.77	368	1	0.04	36	230	3	0.30	<2	8	138
KAM132420		<10	<1	0.16	<10	0.78	469	7	0.12	31	560	2	0.04	<2	5	51
KAM132421		<10	<1	0.75	<10	1.80	235	1	0.06	41	50	<2	0.09	<2	5	106
KAM132422		<10	<1	0.91	<10	1.91	267	1	0.07	46	110	<2	0.13	<2	5	72
KAM132423		10	<1	2.00	10	2.95	406	1	0.06	57	350	<2	0.42	<2	5	338
KAM132424		<10	<1	1.01	<10	1.94	264	3	0.06	49	50	2	0.08	<2	4	213
KAM132425		<10	<1	1.23	<10	2.08	332	2	0.07	58	200	<2	0.07	<2	4	149
KAM132426		<10	<1	1.48	<10	2.38	264	1	0.05	58	20	2	0.07	<2	3	88
KAM132427		<10	<1	1.12	<10	2.07	271	3	0.06	77	80	2	0.08	<2	3	83
KAM132428		<10	<1	0.93	<10	2.24	286	2	0.09	90	100	<2	0.08	<2	5	108
KAM132429		<10	<1	1.54	<10	2.56	380	1	0.06	94	110	3	0.08	<2	5	254
KAM132430		<10	2	0.18	10	3.49	1725	66	<0.01	80	1050	21	0.62	7	4	214
KAM132431		<10	<1	1.22	<10	2.68	293	1	0.11	85	40	3	0.03	<2	5	249
KAM132432		<10	<1	0.58	<10	1.51	329	2	0.10	44	190	<2	0.21	<2	5	73
KAM132433		<10	<1	0.76	<10	1.78	244	2	0.10	59	30	<2	0.08	<2	7	75
KAM132434		<10	<1	0.61	<10	1.90	324	1	0.09	43	100	3	0.07	<2	5	190
KAM132435		10	<1	1.09	<10	2.30	437	1	0.15	42	130	<2	0.15	<2	10	182
KAM132436		10	<1	0.86	<10	2.09	197	1	0.21	56	10	2	0.01	<2	6	181
KAM132437		10	<1	1.32	<10	3.42	512	4	0.05	111	80	11	0.51	<2	10	450
KAM132438		10	<1	1.20	<10	2.98	391	1	0.12	104	110	3	0.19	<2	9	204
KAM132439		<10	<1	0.90	<10	2.43	342	1	0.13	87	120	<2	0.11	<2	6	151
KAM132440		10	<1	0.17	<10	0.82	505	7	0.12	31	600	<2	0.05	<2	5	54
KAM132441		<10	<1	0.99	<10	2.72	325	1	0.11	109	60	<2	0.27	<2	5	106
KAM132442		10	<1	1.51	<10	2.94	413	1	0.09	81	120	<2	0.19	<2	6	111
KAM132443		<10	<1	1.77	<10	3.46	317	1	0.04	92	50	<2	0.10	<2	5	129
KAM132444		10	<1	1.21	40	1.46	707	<1	0.01	71	600	11	0.01	<2	11	49



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: 17-APR-2013  
 Account: KAMGOL

Project: Coffee

**CERTIFICATE OF ANALYSIS WH13061798**

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
KAM132409		<20	0.07	<10	<10	62	<10	34
KAM132410		<20	0.15	<10	<10	69	20	51
KAM132411		<20	0.12	<10	<10	55	<10	23
KAM132412		<20	0.06	<10	<10	39	<10	24
KAM132413		<20	0.10	<10	<10	39	<10	27
KAM132414		<20	0.16	<10	<10	50	<10	26
KAM132415		<20	0.11	<10	<10	38	<10	19
KAM132416		<20	0.08	<10	<10	33	<10	20
KAM132417		<20	0.04	<10	<10	22	<10	15
KAM132418		<20	0.05	<10	<10	49	<10	24
KAM132419		<20	0.02	<10	<10	42	<10	20
KAM132420		<20	0.15	<10	<10	65	<10	44
KAM132421		<20	0.05	<10	<10	27	<10	12
KAM132422		<20	0.08	<10	<10	39	<10	18
KAM132423		<20	0.13	<10	<10	58	<10	40
KAM132424		<20	0.08	<10	<10	37	<10	17
KAM132425		<20	0.13	<10	<10	49	<10	23
KAM132426		<20	0.06	<10	<10	27	<10	18
KAM132427		<20	0.11	<10	<10	43	<10	21
KAM132428		<20	0.11	<10	<10	48	<10	20
KAM132429		<20	0.13	<10	<10	66	<10	25
KAM132430		<20	0.01	<10	20	163	10	422
KAM132431		<20	0.06	<10	<10	34	<10	19
KAM132432		<20	0.13	<10	<10	52	<10	22
KAM132433		<20	0.06	<10	<10	33	<10	18
KAM132434		<20	0.07	<10	<10	44	<10	19
KAM132435		<20	0.08	<10	<10	72	<10	25
KAM132436		<20	0.03	<10	<10	28	<10	12
KAM132437		<20	0.02	<10	<10	51	20	39
KAM132438		<20	0.06	<10	<10	55	<10	28
KAM132439		<20	0.06	<10	<10	36	<10	21
KAM132440		<20	0.16	<10	<10	69	<10	45
KAM132441		<20	0.07	<10	<10	38	<10	19
KAM132442		<20	0.09	<10	<10	50	<10	25
KAM132443		<20	0.10	<10	<10	39	<10	25
KAM132444		20	0.11	<10	<10	61	<10	59