



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: 23-JUL-2013
Account: KAMGOL

CERTIFICATE WH13126593

Project: Coffee

P.O. No.: KGC-13-1244

This report is for 150 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 13-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
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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 WH13126593

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
KAM144438		1.53	0.077	<0.2	1.08	246	<10	130	0.7	<2	0.27	<0.5	8	32	14	2.01
KAM144439		1.30	0.033	<0.2	1.04	127	<10	120	0.7	<2	0.21	<0.5	6	23	9	1.60
KAM144440		0.06	0.003	<0.2	1.68	4	<10	110	<0.5	<2	0.94	<0.5	9	35	44	3.05
KAM144441		1.82	0.008	<0.2	0.74	39	<10	40	0.6	<2	0.06	<0.5	1	13	6	0.64
KAM144442		0.72	0.011	<0.2	0.73	48	<10	50	0.5	<2	0.09	<0.5	2	15	7	0.86
KAM144443		1.08	0.007	<0.2	0.76	86	<10	40	0.6	<2	0.07	<0.5	1	4	43	0.52
KAM144444		1.71	0.005	<0.2	1.68	123	<10	190	1.5	<2	0.15	<0.5	9	41	12	2.59
KAM144445		1.78	0.005	<0.2	2.03	84	<10	310	0.8	<2	0.87	<0.5	14	41	5	3.59
KAM144446		1.88	0.002	<0.2	2.23	74	<10	320	1.1	<2	0.99	<0.5	17	48	11	4.36
KAM144447		1.98	0.003	<0.2	2.46	109	<10	430	1.0	<2	0.69	<0.5	20	60	18	5.13
KAM144448		1.69	0.004	<0.2	2.88	148	<10	450	1.7	<2	0.33	<0.5	28	97	14	4.77
KAM144449		1.82	0.008	<0.2	1.61	2590	10	270	1.8	<2	0.23	<0.5	11	37	7	4.96
KAM144450		0.06	6.13	17.3	1.19	328	<10	40	<0.5	<2	0.80	6.9	14	34	720	5.66
KAM144451		1.76	1.860	<0.2	0.87	3760	10	430	2.0	<2	0.18	<0.5	21	20	15	4.58
KAM144452		1.54	0.426	<0.2	1.48	1800	10	300	1.7	<2	0.16	<0.5	12	37	7	3.43
KAM144453		1.77	0.027	<0.2	2.22	1250	<10	340	1.4	<2	0.25	<0.5	16	71	6	4.29
KAM144454		1.83	0.076	<0.2	2.04	613	<10	260	2.0	<2	0.37	<0.5	18	86	5	3.26
KAM144455		1.79	0.036	<0.2	2.25	1470	<10	270	2.2	<2	0.16	<0.5	22	62	12	4.24
KAM144456		2.24	0.956	<0.2	1.64	1990	10	190	0.9	<2	0.21	<0.5	8	50	9	3.79
KAM144457		1.96	0.031	<0.2	2.50	1700	<10	210	1.9	<2	0.37	<0.5	15	77	13	4.22
KAM144458		1.75	0.017	<0.2	2.72	795	<10	210	1.6	<2	0.81	<0.5	32	120	12	4.57
KAM144459		1.66	0.015	<0.2	2.23	800	<10	180	3.0	<2	0.51	<0.5	27	108	12	3.25
KAM144460		0.06	0.002	<0.2	1.90	4	<10	110	<0.5	<2	1.07	<0.5	9	39	49	3.33
KAM144461		1.81	0.254	<0.2	1.42	4130	10	280	6.3	<2	0.42	<0.5	29	62	4	6.19
KAM144462		1.77	0.221	<0.2	1.66	4340	10	370	7.7	2	0.32	<0.5	73	180	13	6.61
KAM144463		1.60	0.194	<0.2	1.37	8710	10	330	11.6	2	0.40	<0.5	37	115	15	12.55
KAM144464		1.31	0.057	<0.2	1.09	2340	<10	200	4.1	<2	0.17	<0.5	28	304	14	3.66
KAM144465		1.56	0.194	0.2	1.10	3790	10	170	4.4	<2	0.23	<0.5	9	71	11	5.48
KAM144466		1.95	1.225	<0.2	0.66	4070	10	130	2.8	<2	0.17	<0.5	4	36	5	5.51
KAM144467		2.36	0.676	<0.2	0.60	885	10	240	1.4	<2	0.09	<0.5	2	12	4	1.45
KAM144468		2.27	0.149	<0.2	0.65	1050	10	110	1.2	<2	0.08	<0.5	3	12	6	1.43
KAM144469		2.03	0.283	<0.2	0.74	685	10	180	1.4	<2	0.08	<0.5	1	8	2	1.27
KAM144470		0.06	9.53	2.0	1.24	16	<10	40	<0.5	<2	0.74	<0.5	12	32	58	3.48
KAM144471		2.26	0.186	<0.2	0.79	700	10	30	1.3	<2	0.09	<0.5	1	7	5	1.10
KAM144472		2.13	0.120	<0.2	0.68	1140	10	80	1.5	<2	0.12	<0.5	1	9	3	1.55
KAM144473		2.33	0.107	<0.2	0.65	621	10	30	1.2	<2	0.12	<0.5	2	8	3	1.00
KAM144474		2.05	0.981	<0.2	0.59	726	10	90	1.6	<2	0.11	<0.5	1	7	2	1.16
KAM144475		2.30	0.106	<0.2	0.69	259	10	30	0.9	<2	0.07	<0.5	1	7	1	0.66
KAM144476		2.00	0.119	<0.2	0.64	450	<10	70	1.1	<2	0.09	<0.5	1	8	2	0.94
KAM144477		2.34	0.010	<0.2	0.94	216	<10	40	0.7	<2	0.03	<0.5	1	7	1	0.61



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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
KAM144438		<10	<1	0.27	20	0.34	326	2	0.03	21	270	7	0.01	3	3
KAM144439		<10	<1	0.30	20	0.30	301	2	0.02	17	250	7	<0.01	3	2
KAM144440		10	<1	0.15	<10	0.77	454	7	0.11	30	550	2	0.04	<2	5
KAM144441		<10	<1	0.25	20	0.07	87	2	<0.01	5	110	5	<0.01	3	1
KAM144442		<10	<1	0.25	10	0.11	115	2	0.01	8	110	5	<0.01	2	1
KAM144443		<10	<1	0.18	20	0.04	63	4	<0.01	2	110	8	<0.01	3	1
KAM144444		<10	<1	0.76	50	0.67	463	3	0.02	27	330	12	<0.01	3	6
KAM144445		10	<1	0.81	20	0.91	1435	1	0.03	33	760	3	<0.01	<2	4
KAM144446		10	<1	0.92	20	1.03	1060	1	0.06	34	650	<2	<0.01	<2	4
KAM144447		10	<1	1.28	20	1.18	1280	1	0.04	48	480	3	<0.01	<2	6
KAM144448		10	<1	1.58	40	1.54	1080	1	0.02	79	520	4	<0.01	2	10
KAM144449		<10	4	0.75	30	0.46	210	5	0.01	26	290	9	0.21	24	7
KAM144450		<10	<1	0.16	<10	0.58	489	13	0.06	30	550	614	3.18	6	4
KAM144451		<10	3	0.52	40	0.07	1225	8	<0.01	49	280	8	0.18	18	5
KAM144452		<10	1	0.71	40	0.42	562	3	0.01	32	260	7	0.11	9	4
KAM144453		10	1	1.25	30	1.01	492	2	0.03	49	320	4	0.12	10	7
KAM144454		10	<1	1.13	30	1.06	557	1	0.04	60	390	3	<0.01	2	8
KAM144455		10	2	0.96	50	0.67	381	2	0.01	44	360	8	0.15	8	8
KAM144456		10	4	0.89	40	0.57	151	7	0.01	29	200	9	0.14	20	8
KAM144457		10	1	1.12	20	1.03	318	3	0.02	61	390	6	<0.01	7	7
KAM144458		10	<1	0.58	20	1.10	1120	2	0.01	143	440	4	<0.01	5	6
KAM144459		10	1	0.75	40	0.85	470	1	<0.01	77	1120	7	<0.01	9	19
KAM144460		10	<1	0.17	<10	0.83	499	7	0.12	31	610	3	0.02	2	5
KAM144461		<10	2	0.30	50	0.14	1945	6	<0.01	203	880	7	<0.01	41	14
KAM144462		<10	5	0.19	40	0.10	2670	5	<0.01	413	680	28	<0.01	67	22
KAM144463		<10	9	0.28	30	0.09	2910	14	<0.01	456	690	27	<0.01	205	15
KAM144464		<10	2	0.13	20	0.08	969	3	<0.01	397	280	10	<0.01	36	13
KAM144465		<10	2	0.25	30	0.06	381	5	<0.01	108	430	12	0.07	81	10
KAM144466		<10	4	0.28	20	0.05	135	6	<0.01	86	290	12	0.09	74	3
KAM144467		<10	1	0.24	20	0.03	811	2	<0.01	23	70	13	<0.01	18	1
KAM144468		<10	1	0.25	30	0.02	364	3	<0.01	14	90	13	<0.01	15	1
KAM144469		<10	1	0.25	20	0.03	617	2	<0.01	6	100	11	<0.01	13	1
KAM144470		<10	3	0.21	10	0.64	379	844	0.08	29	450	8	1.50	32	4
KAM144471		<10	1	0.31	30	0.03	95	3	<0.01	6	80	16	<0.01	10	<1
KAM144472		<10	<1	0.27	30	0.04	175	3	<0.01	3	120	11	<0.01	13	1
KAM144473		<10	<1	0.27	30	0.04	115	2	<0.01	3	100	7	<0.01	5	<1
KAM144474		<10	1	0.28	30	0.03	328	2	<0.01	3	100	9	<0.01	7	<1
KAM144475		<10	<1	0.27	30	0.03	117	1	<0.01	5	80	10	<0.01	3	<1
KAM144476		<10	1	0.31	30	0.03	206	1	<0.01	2	140	12	<0.01	7	<1
KAM144477		<10	1	0.24	30	0.02	79	1	<0.01	2	100	8	<0.01	3	<1



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CERTIFICATE OF ANALYSIS WH13126593

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
KAM144438		20	0.05	<10	<10	27	<10	24
KAM144439		30	0.05	<10	10	21	<10	21
KAM144440		<20	0.15	<10	<10	64	<10	44
KAM144441		40	0.01	<10	10	4	<10	7
KAM144442		30	0.01	<10	10	8	<10	9
KAM144443		40	<0.01	<10	10	3	<10	7
KAM144444		30	0.08	<10	20	27	<10	27
KAM144445		<20	0.14	<10	<10	32	<10	43
KAM144446		<20	0.15	<10	<10	36	<10	45
KAM144447		<20	0.20	<10	<10	49	<10	59
KAM144448		<20	0.22	<10	<10	69	<10	57
KAM144449		<20	0.04	<10	10	43	<10	44
KAM144450		<20	0.06	<10	<10	44	<10	1300
KAM144451		<20	<0.01	<10	70	18	<10	50
KAM144452		20	0.04	<10	10	29	<10	31
KAM144453		<20	0.14	<10	<10	52	<10	36
KAM144454		<20	0.13	<10	<10	54	<10	40
KAM144455		20	0.09	<10	10	49	<10	40
KAM144456		20	0.05	<10	10	41	<10	24
KAM144457		<20	0.11	<10	20	54	<10	46
KAM144458		<20	0.07	<10	10	47	<10	59
KAM144459		<20	0.06	<10	10	88	<10	52
KAM144460		<20	0.16	<10	<10	71	<10	46
KAM144461		<20	<0.01	<10	30	67	<10	74
KAM144462		<20	<0.01	<10	50	109	<10	101
KAM144463		<20	<0.01	10	100	73	<10	187
KAM144464		<20	<0.01	<10	30	42	<10	73
KAM144465		<20	<0.01	<10	40	58	<10	65
KAM144466		<20	<0.01	<10	40	29	<10	16
KAM144467		30	<0.01	<10	10	5	<10	15
KAM144468		40	<0.01	<10	10	4	<10	15
KAM144469		40	<0.01	<10	10	3	<10	21
KAM144470		<20	0.09	<10	<10	59	20	57
KAM144471		40	<0.01	<10	10	2	<10	13
KAM144472		30	<0.01	<10	10	4	<10	19
KAM144473		40	<0.01	<10	<10	2	<10	12
KAM144474		40	<0.01	<10	10	2	<10	10
KAM144475		40	<0.01	<10	<10	1	<10	6
KAM144476		40	<0.01	<10	10	2	<10	16
KAM144477		40	<0.01	<10	<10	2	<10	7



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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
KAM144478		2.43	0.004	<0.2	0.96	86	<10	30	0.7	<2	0.02	<0.5	1	6	1	0.47
KAM144479		2.32	0.006	<0.2	0.87	132	<10	50	0.7	<2	0.03	<0.5	1	8	2	0.62
KAM144480		0.06	0.002	<0.2	1.94	5	<10	110	<0.5	<2	1.09	<0.5	10	39	48	3.35
KAM144481		2.05	0.012	<0.2	1.16	324	<10	170	1.3	<2	0.12	<0.5	7	11	2	1.83
KAM144482		2.24	0.004	<0.2	2.41	130	<10	120	2.2	<2	0.52	<0.5	18	17	18	4.08
KAM144483		2.12	0.009	<0.2	1.07	180	<10	60	1.0	<2	0.05	<0.5	2	8	1	0.76
KAM144484		2.14	0.013	<0.2	0.83	150	<10	30	0.7	<2	0.04	<0.5	1	7	2	0.62
KAM144485		2.14	0.003	<0.2	0.97	59	<10	40	0.7	<2	0.03	<0.5	<1	5	1	0.40
KAM144486		2.31	0.259	<0.2	0.69	280	<10	130	0.9	<2	0.05	<0.5	1	7	3	0.75
KAM144487		1.84	0.012	<0.2	1.11	110	<10	70	1.3	<2	0.11	<0.5	5	19	3	1.35
KAM144488		1.76	0.005	<0.2	1.42	86	<10	80	1.1	<2	0.47	<0.5	10	33	6	2.20
KAM144489		1.66	0.004	0.2	0.71	95	<10	50	0.8	<2	0.03	<0.5	1	8	2	0.63
KAM144490		0.06	1.950	0.4	1.92	6	<10	110	<0.5	<2	1.04	<0.5	12	34	34	3.12
KAM144491		2.11	0.007	<0.2	0.73	89	<10	40	0.8	<2	0.04	<0.5	2	8	2	0.70
KAM144492		1.90	0.002	<0.2	0.60	51	<10	20	0.6	<2	0.04	<0.5	1	7	2	0.59
KAM144493		1.94	0.001	<0.2	0.69	74	<10	40	0.7	<2	0.08	<0.5	4	17	4	0.88
KAM144494		1.73	0.003	<0.2	0.49	28	<10	50	0.5	<2	0.04	<0.5	1	8	2	0.63
KAM144495		2.08	0.006	<0.2	0.64	71	<10	50	0.6	<2	0.06	<0.5	1	8	3	0.78
KAM144496		2.19	0.004	<0.2	0.65	38	<10	70	0.7	<2	0.07	<0.5	2	6	48	0.61
KAM144497		1.72	0.002	<0.2	0.54	36	<10	50	0.6	<2	0.05	<0.5	1	7	2	0.66
KAM144498		2.86	0.002	<0.2	0.61	34	<10	40	0.6	<2	0.08	<0.5	2	7	2	0.79
KAM144499		1.65	0.002	<0.2	0.66	30	<10	50	0.6	<2	0.10	<0.5	4	17	5	1.05
KAM144500		0.05	0.011	<0.2	1.74	4	<10	110	<0.5	<2	0.96	<0.5	8	36	45	3.12
KAM144501		2.51	0.004	<0.2	0.60	19	<10	240	0.5	<2	0.07	<0.5	2	9	2	1.13
KAM144502		2.26	0.004	<0.2	0.67	11	<10	960	0.6	<2	0.10	<0.5	2	8	10	1.24
KAM144503		1.65	0.005	<0.2	0.90	29	<10	80	0.8	<2	0.17	<0.5	2	9	14	1.04
KAM144504		2.19	0.002	<0.2	1.23	191	<10	90	1.4	<2	0.19	<0.5	6	67	3	1.63
KAM144505		1.88	0.001	<0.2	0.67	93	<10	50	0.8	<2	0.11	<0.5	1	7	3	0.70
KAM144506		1.98	0.001	<0.2	0.93	73	<10	50	0.8	<2	0.17	<0.5	4	24	8	1.18
KAM144507		2.28	0.155	<0.2	0.73	355	<10	40	0.8	<2	0.13	<0.5	8	10	5	0.86
KAM144508		1.51	0.016	<0.2	0.80	259	<10	30	1.0	<2	0.18	<0.5	3	10	6	0.78
KAM144509		2.18	0.003	<0.2	0.64	26	<10	30	0.6	<2	0.15	<0.5	1	9	4	0.63
KAM144510		0.06	1.185	1.4	1.60	10	<10	1280	<0.5	<2	1.05	0.9	9	35	75	3.31
KAM144511		1.83	0.008	<0.2	0.67	39	<10	60	0.5	<2	0.13	<0.5	3	18	4	1.01
KAM144512		1.60	0.009	0.2	1.74	86	<10	120	1.0	<2	0.41	<0.5	12	66	14	2.15
KAM144513		1.84	0.278	<0.2	0.58	278	<10	60	0.8	<2	0.08	<0.5	1	8	3	0.73
KAM144514		1.91	0.005	<0.2	0.59	31	<10	60	0.6	<2	0.05	<0.5	1	9	2	0.86
KAM144515		2.37	0.020	<0.2	0.50	47	<10	50	0.5	<2	0.06	<0.5	1	8	2	0.72
KAM144516		2.15	0.016	<0.2	0.53	31	<10	80	<0.5	<2	0.06	<0.5	1	10	2	0.97
KAM144517		1.94	0.002	<0.2	1.09	51	<10	90	0.8	<2	0.20	<0.5	6	36	11	1.76



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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
KAM144478		<10	<1	0.23	30	0.02	108	1	<0.01	2	80	10	<0.01	<2	<1	9
KAM144479		<10	<1	0.21	20	0.02	176	1	<0.01	3	70	7	<0.01	4	<1	11
KAM144480		10	<1	0.17	<10	0.85	505	7	0.13	31	620	<2	0.02	2	6	57
KAM144481		<10	<1	0.27	70	0.14	777	2	<0.01	7	320	11	<0.01	8	3	16
KAM144482		10	<1	1.05	20	1.14	563	1	0.03	12	1450	6	<0.01	15	8	33
KAM144483		<10	<1	0.17	20	0.03	246	1	<0.01	2	130	8	<0.01	2	1	18
KAM144484		<10	<1	0.22	30	0.03	91	1	<0.01	1	90	4	<0.01	3	1	9
KAM144485		<10	<1	0.19	20	0.02	142	1	<0.01	1	70	9	<0.01	<2	<1	6
KAM144486		<10	1	0.25	20	0.03	228	1	<0.01	2	70	12	<0.01	3	<1	14
KAM144487		<10	<1	0.51	30	0.27	292	1	0.05	8	260	7	<0.01	<2	2	11
KAM144488		10	<1	0.56	30	0.67	234	1	0.08	10	530	6	<0.01	5	4	76
KAM144489		<10	<1	0.23	20	0.04	158	2	0.02	2	60	48	<0.01	2	<1	15
KAM144490		10	<1	0.16	<10	0.89	480	3	0.11	27	650	6	0.02	3	6	51
KAM144491		<10	<1	0.24	20	0.04	127	1	0.02	3	70	9	<0.01	<2	1	13
KAM144492		<10	<1	0.28	20	0.05	90	2	0.06	1	70	13	<0.01	2	<1	7
KAM144493		<10	<1	0.33	20	0.20	117	2	0.08	7	130	10	<0.01	3	1	17
KAM144494		<10	<1	0.26	30	0.04	113	1	0.06	1	80	7	<0.01	2	<1	9
KAM144495		<10	<1	0.26	20	0.11	128	2	0.05	3	130	8	<0.01	3	1	9
KAM144496		<10	<1	0.25	30	0.08	133	1	0.04	2	130	7	<0.01	4	<1	9
KAM144497		<10	<1	0.26	30	0.07	104	1	0.07	2	110	5	<0.01	<2	<1	9
KAM144498		<10	<1	0.27	30	0.12	90	1	0.06	2	130	6	<0.01	3	1	8
KAM144499		<10	<1	0.33	30	0.28	119	2	0.08	6	130	7	<0.01	5	1	11
KAM144500		10	<1	0.16	<10	0.79	460	7	0.12	30	580	2	0.04	<2	5	53
KAM144501		<10	<1	0.33	20	0.18	132	3	0.09	2	70	5	0.01	3	<1	11
KAM144502		<10	<1	0.37	10	0.23	148	2	0.07	2	80	8	0.02	5	<1	22
KAM144503		<10	<1	0.26	10	0.21	117	2	0.06	3	100	8	<0.01	3	<1	14
KAM144504		<10	<1	0.37	60	0.38	294	1	0.02	13	360	12	<0.01	3	6	22
KAM144505		<10	<1	0.19	20	0.09	96	2	0.04	3	90	5	<0.01	3	<1	13
KAM144506		<10	<1	0.37	<10	0.37	102	2	0.06	8	170	5	<0.01	4	2	14
KAM144507		<10	<1	0.25	20	0.11	105	6	0.02	6	130	10	<0.01	2	1	14
KAM144508		<10	<1	0.18	30	0.16	50	3	<0.01	5	110	11	<0.01	4	1	18
KAM144509		<10	<1	0.19	10	0.10	57	2	0.04	4	90	19	<0.01	3	<1	11
KAM144510		10	<1	0.13	<10	0.81	488	8	0.09	36	630	87	0.09	3	5	62
KAM144511		<10	<1	0.33	30	0.26	157	1	0.07	7	180	10	<0.01	2	1	13
KAM144512		<10	<1	0.68	30	1.03	366	<1	0.05	29	380	14	<0.01	4	4	32
KAM144513		<10	<1	0.21	30	0.05	119	1	0.01	3	100	26	<0.01	2	1	23
KAM144514		<10	<1	0.36	20	0.09	63	1	0.07	2	140	13	<0.01	<2	<1	14
KAM144515		<10	<1	0.26	30	0.08	49	1	0.07	2	140	10	<0.01	2	<1	11
KAM144516		<10	<1	0.38	30	0.12	146	1	0.07	2	160	12	<0.01	<2	1	25
KAM144517		<10	<1	0.64	20	0.60	227	1	0.06	11	390	10	<0.01	2	3	30



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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
KAM144478		40	<0.01	<10	<10	1	<10	5
KAM144479		40	<0.01	<10	<10	2	<10	7
KAM144480		<20	0.16	<10	<10	73	<10	47
KAM144481		40	0.01	<10	10	16	<10	27
KAM144482		30	0.09	<10	<10	113	<10	71
KAM144483		40	<0.01	<10	<10	5	<10	9
KAM144484		40	<0.01	<10	<10	3	<10	6
KAM144485		40	<0.01	<10	<10	1	<10	3
KAM144486		40	<0.01	<10	10	3	<10	13
KAM144487		40	0.02	<10	<10	12	<10	19
KAM144488		30	0.06	<10	<10	40	<10	32
KAM144489		40	<0.01	<10	<10	2	<10	6
KAM144490		<20	0.17	<10	<10	76	20	54
KAM144491		40	<0.01	<10	<10	2	<10	7
KAM144492		40	<0.01	<10	<10	1	<10	6
KAM144493		40	0.01	<10	<10	8	<10	9
KAM144494		40	<0.01	<10	<10	2	<10	7
KAM144495		40	0.01	<10	<10	4	<10	10
KAM144496		40	<0.01	<10	<10	1	<10	7
KAM144497		40	0.01	<10	<10	2	<10	8
KAM144498		40	0.01	<10	<10	2	<10	9
KAM144499		40	0.02	<10	<10	8	<10	11
KAM144500		<20	0.15	<10	<10	65	<10	44
KAM144501		40	0.01	<10	<10	2	<10	12
KAM144502		30	0.02	<10	<10	5	<10	13
KAM144503		40	0.01	<10	<10	3	<10	10
KAM144504		30	0.02	<10	<10	31	<10	26
KAM144505		40	<0.01	<10	<10	2	<10	5
KAM144506		30	0.02	<10	<10	15	<10	14
KAM144507		40	<0.01	<10	10	5	<10	7
KAM144508		30	<0.01	<10	10	5	<10	9
KAM144509		40	<0.01	<10	<10	1	<10	3
KAM144510		<20	0.14	<10	<10	66	<10	190
KAM144511		40	0.02	<10	<10	7	<10	9
KAM144512		30	0.08	<10	<10	32	<10	28
KAM144513		30	<0.01	<10	10	3	<10	11
KAM144514		40	0.01	<10	<10	4	<10	15
KAM144515		40	0.01	<10	<10	2	<10	13
KAM144516		30	0.02	<10	<10	6	<10	12
KAM144517		30	0.05	<10	10	24	<10	24



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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
KAM144518		2.09	0.001	<0.2	0.61	45	<10	60	0.5	<2	0.07	<0.5	2	12	3	0.85
KAM144519		1.90	0.002	<0.2	1.57	135	<10	80	1.2	<2	0.26	<0.5	11	50	19	1.90
KAM144520		0.05	0.002	<0.2	1.78	3	<10	110	<0.5	<2	1.02	<0.5	8	38	46	3.16
KAM144521		2.26	0.003	<0.2	0.69	158	<10	50	0.7	<2	0.06	<0.5	1	7	3	0.77
KAM144522		2.07	0.005	<0.2	0.71	152	<10	100	0.6	<2	0.03	<0.5	1	9	2	0.65
KAM144523		2.48	0.023	<0.2	0.51	289	<10	70	1.0	<2	0.06	<0.5	1	11	3	1.04
KAM144524		2.00	0.006	<0.2	0.62	139	<10	60	0.8	<2	0.05	<0.5	3	17	4	0.92
KAM144525		1.67	0.004	<0.2	1.03	95	<10	80	1.0	<2	0.23	<0.5	6	32	11	1.66
KAM144526		1.96	0.008	<0.2	0.71	111	<10	70	0.8	<2	0.12	<0.5	4	19	6	1.29
KAM144527		1.54	0.005	<0.2	0.19	30	<10	40	<0.5	<2	0.02	<0.5	1	20	5	0.76
KAM144528		1.87	0.010	<0.2	0.71	344	<10	60	1.0	<2	0.05	<0.5	1	11	3	0.87
KAM144529		2.33	0.017	<0.2	1.02	289	<10	90	1.3	<2	0.05	<0.5	1	7	2	0.86
KAM144530		0.06	0.793	0.8	0.72	212	<10	90	1.1	13	19.0	1.6	4	25	84	2.61
KAM144531		1.43	0.005	<0.2	0.46	45	<10	30	0.6	<2	0.06	<0.5	1	9	2	0.57
KAM144532		2.75	0.003	<0.2	0.44	35	<10	40	0.5	<2	0.04	<0.5	1	10	3	0.64
KAM144533		2.68	0.007	<0.2	0.48	43	<10	40	0.6	<2	0.07	<0.5	1	11	4	0.76
KAM144534		3.14	0.004	<0.2	0.29	48	<10	90	<0.5	<2	0.03	<0.5	1	16	6	0.85
KAM144535		3.12	0.006	<0.2	0.41	21	<10	80	0.5	<2	0.06	<0.5	1	14	4	0.85
KAM144536		2.59	0.002	<0.2	0.40	10	<10	40	0.5	<2	0.35	<0.5	1	13	4	0.77
KAM144537		2.41	0.001	<0.2	0.29	10	<10	50	<0.5	<2	0.19	<0.5	1	12	6	0.66
KAM144538		2.17	0.001	<0.2	0.41	19	<10	30	0.5	<2	0.11	<0.5	1	11	4	0.75
KAM144539		2.72	0.002	<0.2	0.34	9	<10	40	<0.5	<2	0.18	<0.5	1	13	4	0.67
KAM144540		0.06	0.002	<0.2	1.86	5	<10	120	<0.5	<2	1.07	<0.5	9	39	47	3.29
KAM144541		2.09	0.002	<0.2	0.42	18	<10	60	0.5	<2	0.31	<0.5	1	15	11	1.27
KAM144542		2.69	0.001	<0.2	1.98	6	<10	430	1.7	<2	1.55	<0.5	19	13	17	4.82
KAM144543		2.25	0.003	<0.2	2.09	23	<10	210	2.1	<2	1.57	<0.5	20	11	23	5.18
KAM144544		2.41	0.001	<0.2	0.54	83	<10	40	0.7	<2	0.10	<0.5	2	7	5	1.08
KAM144545		2.06	0.001	<0.2	0.41	27	<10	40	0.5	<2	0.10	<0.5	1	12	4	0.94
KAM144546		2.22	0.002	<0.2	0.39	28	<10	40	0.5	<2	0.08	<0.5	1	14	6	0.93
KAM144547		1.96	0.009	<0.2	0.77	99	<10	90	0.8	<2	0.22	<0.5	5	11	9	1.65
KAM144548		2.59	0.002	<0.2	0.39	34	<10	30	<0.5	<2	0.07	<0.5	1	13	3	0.75
KAM144549		2.29	0.003	<0.2	0.46	74	<10	40	0.5	<2	0.15	<0.5	1	12	3	0.69
KAM144550		0.06	9.28	1.4	1.17	14	<10	40	<0.5	<2	0.72	<0.5	11	30	55	3.36
KAM144551		2.18	0.074	<0.2	0.48	223	<10	40	0.9	<2	0.08	<0.5	1	10	3	0.71
KAM144552		2.53	0.004	<0.2	0.73	62	<10	50	0.7	<2	0.79	<0.5	5	21	6	1.26
KAM144553		2.44	0.003	<0.2	0.79	20	<10	60	0.6	<2	0.94	<0.5	4	12	5	1.27
KAM144554		2.66	0.002	<0.2	0.37	11	<10	30	0.5	<2	0.54	<0.5	1	15	3	0.57
KAM144555		2.55	0.002	<0.2	1.38	56	<10	80	1.1	<2	1.23	<0.5	12	48	17	2.33
KAM144556		2.06	0.003	<0.2	1.11	188	<10	110	1.1	<2	0.45	<0.5	8	14	9	2.17
KAM144557		2.92	0.002	<0.2	0.57	15	<10	50	0.5	<2	0.49	<0.5	2	14	4	1.04



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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
KAM144518		<10	<1	0.31	20	0.19	123	1	0.08	4	130	11	<0.01	3	1	15
KAM144519		<10	<1	0.56	10	0.82	192	1	0.03	17	220	6	<0.01	6	4	17
KAM144520		10	<1	0.16	<10	0.80	479	6	0.11	32	600	<2	0.03	<2	5	52
KAM144521		<10	<1	0.23	20	0.06	108	1	0.01	2	90	11	<0.01	6	<1	12
KAM144522		<10	<1	0.23	20	0.02	217	1	<0.01	3	80	9	<0.01	7	<1	16
KAM144523		<10	<1	0.24	20	0.02	118	1	<0.01	2	80	31	<0.01	26	<1	14
KAM144524		<10	<1	0.22	20	0.07	147	1	0.02	5	110	12	<0.01	7	2	10
KAM144525		<10	<1	0.45	20	0.43	198	1	0.07	12	240	11	<0.01	6	3	30
KAM144526		<10	<1	0.33	20	0.29	169	1	0.09	5	130	4	<0.01	4	2	19
KAM144527		<10	<1	0.08	<10	0.02	91	3	0.04	4	20	2	<0.01	<2	<1	6
KAM144528		<10	<1	0.09	20	0.03	148	2	0.02	2	50	4	<0.01	8	<1	9
KAM144529		<10	<1	0.09	30	0.03	234	1	<0.01	2	90	4	<0.01	7	1	11
KAM144530		<10	3	0.19	10	3.74	1805	68	<0.01	85	1160	21	0.66	5	4	230
KAM144531		<10	<1	0.12	20	0.05	99	1	0.08	2	70	3	<0.01	2	<1	8
KAM144532		<10	<1	0.18	20	0.04	102	1	0.09	2	60	5	<0.01	2	<1	10
KAM144533		<10	<1	0.15	20	0.05	121	1	0.10	2	60	4	<0.01	3	<1	11
KAM144534		<10	<1	0.16	10	0.02	125	2	0.07	3	60	3	<0.01	2	1	13
KAM144535		<10	<1	0.15	20	0.04	142	2	0.13	3	60	3	<0.01	<2	<1	17
KAM144536		<10	<1	0.19	20	0.05	143	2	0.14	3	60	6	<0.01	<2	<1	31
KAM144537		<10	<1	0.15	20	0.03	142	2	0.08	2	50	6	<0.01	<2	<1	11
KAM144538		<10	<1	0.13	20	0.04	134	2	0.10	2	50	2	<0.01	<2	<1	11
KAM144539		<10	<1	0.15	20	0.06	166	2	0.09	2	70	3	<0.01	2	<1	11
KAM144540		10	<1	0.17	<10	0.83	497	6	0.12	32	620	<2	0.03	<2	5	55
KAM144541		<10	<1	0.23	20	0.11	188	2	0.08	4	120	6	<0.01	2	1	19
KAM144542		10	<1	1.46	40	1.44	818	<1	0.06	7	2120	5	0.07	2	5	142
KAM144543		10	<1	1.50	50	1.37	937	<1	0.05	11	2390	8	0.02	5	7	124
KAM144544		<10	<1	0.19	20	0.07	169	1	0.05	3	140	7	0.01	3	1	14
KAM144545		<10	<1	0.25	20	0.06	125	2	0.08	2	90	10	0.01	2	1	11
KAM144546		<10	<1	0.24	20	0.08	146	2	0.07	3	70	13	0.01	3	1	8
KAM144547		<10	<1	0.46	30	0.25	274	1	0.05	5	400	18	0.01	2	2	24
KAM144548		<10	<1	0.19	20	0.05	84	2	0.09	2	100	4	0.01	<2	<1	10
KAM144549		<10	<1	0.21	20	0.03	113	2	0.07	3	90	6	0.01	2	<1	11
KAM144550		<10	3	0.20	10	0.62	360	829	0.07	29	460	8	1.45	29	4	55
KAM144551		<10	<1	0.24	20	0.03	111	2	0.02	2	60	13	0.01	5	<1	12
KAM144552		<10	<1	0.46	20	0.26	191	1	0.07	9	240	6	0.01	<2	1	22
KAM144553		<10	<1	0.49	20	0.34	268	2	0.07	3	200	11	0.01	<2	1	30
KAM144554		<10	<1	0.21	20	0.03	128	3	0.11	2	70	11	0.02	<2	<1	14
KAM144555		<10	<1	0.74	20	0.86	414	1	0.06	20	640	11	0.01	2	3	42
KAM144556		<10	<1	0.66	30	0.51	392	1	0.07	6	550	16	0.01	3	2	29
KAM144557		<10	<1	0.31	20	0.19	169	2	0.08	3	120	8	0.01	<2	1	18



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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
KAM144518		40	0.01	<10	<10	5	<10	10
KAM144519		30	0.04	<10	10	27	<10	26
KAM144520		<20	0.15	<10	<10	68	<10	45
KAM144521		40	<0.01	<10	10	3	<10	13
KAM144522		40	<0.01	<10	<10	4	<10	10
KAM144523		40	<0.01	<10	10	3	<10	13
KAM144524		40	<0.01	<10	10	9	<10	14
KAM144525		40	0.03	<10	<10	22	<10	21
KAM144526		40	0.02	<10	<10	13	<10	15
KAM144527		<20	<0.01	<10	<10	2	<10	3
KAM144528		30	<0.01	<10	10	2	<10	5
KAM144529		50	<0.01	<10	10	2	<10	7
KAM144530		<20	0.01	<10	10	174	10	443
KAM144531		40	<0.01	<10	<10	1	<10	4
KAM144532		40	<0.01	<10	<10	1	<10	5
KAM144533		40	<0.01	<10	<10	2	<10	4
KAM144534		30	<0.01	<10	<10	3	<10	5
KAM144535		40	<0.01	<10	<10	1	<10	4
KAM144536		40	0.01	<10	<10	1	<10	5
KAM144537		40	<0.01	<10	<10	1	<10	5
KAM144538		40	<0.01	<10	<10	1	<10	5
KAM144539		40	<0.01	<10	<10	1	<10	4
KAM144540		<20	0.16	<10	<10	71	<10	47
KAM144541		40	0.01	<10	<10	4	<10	8
KAM144542		20	0.27	<10	<10	137	<10	70
KAM144543		20	0.21	<10	<10	153	<10	83
KAM144544		40	0.01	<10	<10	8	<10	11
KAM144545		40	0.01	<10	<10	5	<10	10
KAM144546		40	0.01	<10	<10	4	<10	14
KAM144547		40	0.03	<10	<10	24	<10	35
KAM144548		40	0.01	<10	<10	3	<10	6
KAM144549		40	<0.01	<10	<10	2	<10	5
KAM144550		<20	0.09	<10	<10	56	20	55
KAM144551		40	<0.01	<10	10	1	<10	8
KAM144552		40	0.03	<10	<10	10	<10	16
KAM144553		40	0.04	<10	<10	14	<10	15
KAM144554		40	<0.01	<10	<10	2	<10	5
KAM144555		30	0.14	<10	<10	44	<10	30
KAM144556		30	0.06	<10	<10	39	<10	27
KAM144557		40	0.02	<10	<10	8	<10	10



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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
KAM144558		2.49	0.002	<0.2	2.02	6	<10	270	0.9	<2	2.09	<0.5	14	16	15	3.11
KAM144559		2.48	0.001	<0.2	1.28	33	<10	80	1.0	<2	1.13	<0.5	10	56	10	1.92
KAM144560		0.06	0.003	<0.2	1.88	2	<10	120	<0.5	<2	1.07	<0.5	9	39	48	3.33
KAM144561		2.34	0.025	<0.2	0.50	185	<10	60	0.6	<2	0.11	<0.5	2	11	7	1.10
KAM144562		2.33	0.021	<0.2	0.63	211	<10	70	0.9	<2	0.11	<0.5	2	19	4	1.21
KAM144563		1.78	0.039	<0.2	0.63	96	<10	60	0.7	<2	0.07	<0.5	1	10	5	0.82
KAM144564		2.66	0.033	<0.2	0.71	89	<10	90	0.8	<2	0.10	<0.5	3	30	4	1.54
KAM144565		2.28	0.007	<0.2	0.61	43	<10	70	0.6	<2	0.12	<0.5	3	32	9	1.20
KAM144566		2.17	0.002	<0.2	2.59	13	<10	150	1.3	<2	5.47	<0.5	20	115	27	3.40
KAM144567		2.30	0.004	<0.2	3.86	29	<10	520	2.0	<2	4.53	<0.5	33	58	23	5.64
KAM144568		2.84	0.002	<0.2	3.99	2	<10	850	1.3	<2	4.72	<0.5	33	39	31	5.80
KAM144569		3.08	0.004	<0.2	4.05	<2	<10	700	1.7	<2	4.52	<0.5	35	38	32	6.02
KAM144570		0.06	6.25	18.9	1.31	351	<10	30	0.5	3	0.88	7.4	14	37	779	6.06
KAM144571		2.36	0.007	0.2	2.99	10	<10	770	2.4	<2	4.11	<0.5	30	53	65	6.09
KAM144572		2.66	0.004	<0.2	0.60	40	<10	440	0.7	<2	2.38	<0.5	4	17	9	1.34
KAM144573		2.40	0.004	<0.2	0.82	38	<10	60	0.9	<2	1.28	<0.5	5	11	8	1.90
KAM144574		2.83	0.001	<0.2	3.23	6	<10	370	1.8	<2	3.92	<0.5	27	121	29	4.76
KAM144575		2.55	0.003	<0.2	2.94	14	<10	530	0.8	<2	3.22	<0.5	28	112	56	4.32
KAM144576		2.50	0.016	<0.2	0.96	91	<10	420	1.3	<2	1.27	<0.5	8	29	19	1.66
KAM144577		1.87	0.164	<0.2	1.46	2210	10	170	3.8	<2	0.29	<0.5	18	38	18	4.07
KAM144578		2.44	0.004	<0.2	1.62	28	<10	320	1.5	<2	2.13	<0.5	15	62	21	2.59
KAM144579		2.46	0.002	<0.2	1.35	17	<10	260	1.2	<2	2.19	<0.5	12	69	17	2.10
KAM144580		0.06	0.002	<0.2	1.77	9	<10	110	<0.5	2	1.01	<0.5	8	37	46	3.17
KAM144581		1.84	0.001	<0.2	0.34	9	<10	40	<0.5	<2	0.47	<0.5	1	20	8	0.89
KAM144582		2.42	0.002	<0.2	0.61	7	<10	40	0.6	<2	1.31	<0.5	3	28	6	1.40
KAM144583		2.83	0.001	<0.2	0.40	3	<10	30	0.5	2	0.64	<0.5	1	16	6	0.91
KAM144584		2.46	0.001	<0.2	0.35	6	<10	20	0.6	<2	0.84	<0.5	1	14	4	0.76
KAM144585		2.68	0.001	<0.2	0.32	4	<10	20	0.6	<2	0.55	<0.5	1	15	5	0.83
KAM144586		1.30	0.001	<0.2	3.79	3	<10	610	1.6	<2	4.22	<0.5	32	35	32	5.48
KAM144587		0.97	0.019	<0.2	2.18	893	<10	260	2.2	<2	0.17	<0.5	28	62	10	3.64



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CERTIFICATE OF ANALYSIS WH13126593

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
KAM144558		<10	<1	1.49	20	1.36	596	1	0.06	7	650	5	0.02	<2	4	78
KAM144559		<10	<1	0.80	20	0.90	326	1	0.06	21	240	9	0.03	<2	2	29
KAM144560		<10	<1	0.17	<10	0.84	497	6	0.12	33	640	<2	0.05	<2	5	55
KAM144561		<10	<1	0.21	30	0.05	162	1	0.05	3	120	23	0.01	3	1	14
KAM144562		<10	<1	0.28	30	0.11	240	1	0.04	4	150	20	0.01	3	1	13
KAM144563		<10	<1	0.24	30	0.05	181	1	0.02	3	80	15	0.01	<2	<1	10
KAM144564		<10	<1	0.43	30	0.19	243	1	0.04	4	230	18	0.01	2	2	21
KAM144565		<10	<1	0.35	30	0.17	176	1	0.06	4	160	10	0.01	2	1	19
KAM144566		10	<1	1.99	20	2.08	731	<1	0.03	37	470	11	0.04	<2	8	118
KAM144567		10	<1	3.19	20	3.50	1175	<1	0.02	34	1390	16	0.02	<2	10	154
KAM144568		10	<1	3.25	10	3.57	1150	<1	0.03	29	1520	<2	0.13	<2	7	106
KAM144569		10	<1	3.25	10	3.74	1215	<1	0.03	30	1680	<2	0.17	<2	6	187
KAM144570		<10	<1	0.18	<10	0.63	529	13	0.06	32	630	662	3.48	7	4	38
KAM144571		10	<1	2.30	30	2.65	1235	<1	0.02	22	1910	124	0.07	6	12	754
KAM144572		<10	<1	0.38	20	0.31	329	2	0.03	5	170	11	0.02	<2	2	211
KAM144573		<10	<1	0.55	20	0.44	405	2	0.05	4	260	8	0.01	<2	2	62
KAM144574		10	<1	2.41	10	2.76	976	<1	0.03	45	640	6	0.02	2	7	119
KAM144575		10	<1	2.18	10	2.72	788	<1	0.05	42	810	2	0.12	<2	6	84
KAM144576		<10	<1	0.48	10	0.47	396	1	0.02	16	260	7	0.02	2	4	40
KAM144577		<10	1	0.50	10	0.25	251	3	<0.01	21	460	22	0.01	32	9	110
KAM144578		<10	<1	0.95	20	1.12	469	1	0.04	22	460	12	0.06	2	5	93
KAM144579		<10	<1	1.08	10	1.15	424	2	0.05	22	230	6	0.01	4	4	127
KAM144580		10	1	0.16	<10	0.79	473	7	0.12	28	570	2	0.04	<2	5	51
KAM144581		<10	<1	0.24	20	0.06	118	4	0.08	4	50	8	<0.01	<2	1	26
KAM144582		<10	<1	0.34	30	0.28	289	2	0.08	7	190	8	0.03	<2	2	60
KAM144583		<10	<1	0.26	20	0.05	215	2	0.10	2	70	11	<0.01	<2	1	23
KAM144584		<10	<1	0.23	20	0.03	239	2	0.08	2	70	14	<0.01	<2	<1	28
KAM144585		<10	<1	0.25	20	0.03	233	3	0.07	2	70	13	0.01	<2	<1	28
KAM144586		10	<1	3.12	10	3.41	1155	<1	0.04	27	1470	4	0.17	4	6	168
KAM144587		10	1	1.02	50	0.72	498	1	0.03	50	340	4	0.07	4	8	46



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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
KAM144558		30	0.16	<10	<10	64	<10	40
KAM144559		30	0.10	<10	10	27	<10	22
KAM144560		<20	0.16	<10	<10	71	<10	46
KAM144561		40	<0.01	<10	10	5	<10	18
KAM144562		40	<0.01	<10	10	5	<10	24
KAM144563		30	<0.01	<10	<10	3	<10	8
KAM144564		40	0.02	<10	<10	11	<10	27
KAM144565		40	0.02	<10	<10	9	<10	25
KAM144566		20	0.15	<10	<10	54	<10	48
KAM144567		<20	0.29	<10	<10	131	<10	79
KAM144568		<20	0.35	<10	<10	133	<10	78
KAM144569		<20	0.32	<10	<10	125	<10	90
KAM144570		<20	0.07	<10	<10	48	<10	1405
KAM144571		<20	0.22	<10	<10	177	<10	93
KAM144572		40	0.02	<10	<10	13	<10	18
KAM144573		40	0.04	<10	<10	22	<10	27
KAM144574		<20	0.25	<10	<10	78	<10	70
KAM144575		<20	0.32	<10	<10	82	<10	59
KAM144576		40	0.03	<10	<10	25	<10	27
KAM144577		20	0.01	<10	40	54	<10	62
KAM144578		20	0.13	<10	<10	50	<10	46
KAM144579		20	0.11	<10	<10	41	<10	25
KAM144580		<20	0.15	<10	<10	67	<10	44
KAM144581		30	0.01	<10	<10	5	<10	5
KAM144582		30	0.02	<10	<10	14	<10	18
KAM144583		40	0.01	<10	<10	4	<10	10
KAM144584		40	<0.01	<10	<10	2	<10	8
KAM144585		40	0.01	<10	<10	3	<10	10
KAM144586		<20	0.31	<10	<10	114	<10	82
KAM144587		20	0.10	<10	10	46	<10	39

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

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23-JUL-2013
Account: KAMGOL

Project: Coffee

CERTIFICATE OF ANALYSIS WH13126593

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	