



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
www.alsglobal.com

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

Page: 1  
Total # Pages: 2 (A - C)  
Plus Appendix Pages  
Finalized Date: 29-NOV-2016  
Account: KAMGOL

**CERTIFICATE WH16193226**

Project: Coffee

P.O. No.: KGC-16-1415

This report is for 21 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 8-NOV-2016.

The following have access to data associated with this certificate:

TOM BOKENFOHR  
TIM SMITH

ERIC BUITENHUIS

JAMES SCOTT

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-23	Pulp Login - Rcvd with Barcode

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA13	Au by cyanide leach and AAS	AAS
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: KAMINAK GOLD CORPORATION  
ATTN: ERIC BUITENHUIS  
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



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
www.alsglobal.com

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

Page: 2 - A  
Total # Pages: 2 (A - C)  
Plus Appendix Pages  
Finalized Date: 29-NOV-2016  
Account: KAMGOL

Project: Coffee

**CERTIFICATE OF ANALYSIS WH16193226**

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
R551661		1.39	<0.001	<0.2	0.65	7	<10	90	<0.5	2	0.07	<0.5	9	19	11	1.60
R551662		1.12	<0.001	0.2	0.98	2	<10	290	<0.5	<2	0.30	<0.5	6	39	33	2.25
R551663		0.47	0.002	0.2	0.74	1580	<10	130	0.5	2	0.19	0.7	14	29	40	2.40
R551664		1.37	<0.001	<0.2	0.94	5	<10	80	<0.5	<2	0.63	<0.5	8	43	18	1.63
R551665		0.72	<0.001	<0.2	2.68	2	<10	930	<0.5	<2	0.79	<0.5	7	11	35	4.63
R551666		1.38	<0.001	<0.2	0.20	3	<10	40	<0.5	3	0.03	<0.5	<1	6	4	0.68
R551667		1.13	<0.001	<0.2	1.42	<2	<10	70	<0.5	3	0.69	<0.5	10	66	9	2.44
R551668		1.25	<0.001	<0.2	0.74	4	<10	110	<0.5	<2	0.20	<0.5	7	21	36	1.87
R551669		0.97	<0.001	<0.2	1.16	<2	<10	180	<0.5	<2	0.23	<0.5	3	32	15	2.18
R551670		0.08	6.10	18.4	1.27	335	<10	30	<0.5	5	0.82	7.2	12	35	753	5.84
R551671		2.09	0.005	<0.2	0.55	<2	<10	260	<0.5	2	0.77	<0.5	5	69	32	1.44
R551672		0.47	<0.001	<0.2	0.03	11	<10	10	<0.5	3	0.02	<0.5	<1	14	2	0.66
R551673		0.86	0.004	0.2	2.11	<2	<10	950	<0.5	4	2.91	<0.5	29	110	69	3.55
R551674		0.39	<0.001	<0.2	1.61	2	<10	50	<0.5	<2	1.19	<0.5	15	79	13	2.02
R551675		1.42	<0.001	<0.2	0.28	3	<10	3170	1.2	<2	5.15	<0.5	4	8	5	4.04
R551676		1.30	0.001	<0.2	0.86	<2	<10	30	<0.5	<2	0.92	<0.5	13	18	87	2.02
R551677		2.67	0.002	<0.2	1.42	<2	<10	70	<0.5	<2	2.05	<0.5	6	8	53	4.49
R551678		0.07	0.001	0.2	1.37	<2	<10	120	<0.5	<2	0.79	<0.5	6	15	60	2.67
R551679		1.35	<0.001	<0.2	1.03	9	<10	130	<0.5	2	1.90	<0.5	14	67	46	2.19
R551680		0.07	<0.001	<0.2	1.35	<2	<10	120	<0.5	3	0.78	<0.5	7	14	60	2.59
R551681		2.56	<0.001	<0.2	0.58	<2	<10	1300	0.9	<2	1.36	<0.5	3	8	5	2.23



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
www.alsglobal.com

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

Page: 2 - B  
Total # Pages: 2 (A - C)  
Plus Appendix Pages  
Finalized Date: 29-NOV-2016  
Account: KAMGOL

Project: Coffee

**CERTIFICATE OF ANALYSIS WH16193226**

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
R551661		<10	1	0.12	<10	0.21	902	1	0.01	24	290	3	<0.01	<2	2	7
R551662		<10	1	0.34	10	0.49	268	2	0.03	16	1000	<2	0.14	<2	3	23
R551663		<10	1	0.06	10	0.12	566	2	0.02	32	710	6	<0.01	8	4	11
R551664		<10	1	0.08	<10	0.75	252	<1	0.07	12	430	4	<0.01	<2	4	10
R551665		10	<1	1.85	20	1.58	733	3	0.05	6	3480	6	0.10	<2	4	72
R551666		<10	1	0.10	<10	0.02	128	<1	0.04	<1	60	7	<0.01	<2	2	2
R551667		<10	1	0.11	<10	1.16	425	<1	0.12	22	810	5	0.02	<2	5	11
R551668		<10	<1	0.21	20	0.29	289	1	0.03	23	490	7	<0.01	<2	3	10
R551669		<10	1	0.75	10	0.62	363	1	0.03	7	530	2	0.01	<2	2	19
R551670		<10	1	0.17	<10	0.58	497	14	0.07	32	560	631	3.20	7	4	36
R551671		<10	1	0.03	<10	0.47	228	2	0.03	8	1400	<2	0.01	<2	4	13
R551672		<10	1	<0.01	<10	0.01	74	<1	0.01	1	50	<2	<0.01	<2	<1	1
R551673		10	<1	1.26	10	1.80	331	<1	0.25	89	2940	4	<0.01	<2	4	392
R551674		<10	<1	0.08	<10	1.57	502	<1	0.03	43	260	7	<0.01	<2	3	19
R551675		<10	1	0.08	40	0.20	966	2	0.01	5	210	13	0.07	<2	9	149
R551676		<10	1	0.05	<10	0.47	382	<1	0.16	10	570	<2	<0.01	<2	7	12
R551677		10	1	0.07	<10	0.73	606	<1	0.20	3	4710	<2	0.09	<2	13	25
R551678		<10	1	0.19	10	0.57	313	2	0.16	7	670	3	<0.01	<2	2	63
R551679		<10	1	0.09	10	0.83	288	<1	0.21	89	2580	2	<0.01	<2	5	84
R551680		<10	1	0.19	10	0.56	313	2	0.15	7	670	3	<0.01	<2	2	61
R551681		<10	<1	0.37	40	0.23	397	1	0.03	2	290	4	0.02	<2	5	58



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com

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

Page: 2 - C  
 Total # Pages: 2 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 29-NOV-2016  
 Account: KAMGOL

Project: Coffee

**CERTIFICATE OF ANALYSIS WH16193226**

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Ti ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Au-AA13 Au ppm 0.03
R551661		<20	0.04	<10	<10	27	<10	25	
R551662		<20	0.05	<10	<10	69	<10	63	
R551663		<20	0.02	<10	<10	52	<10	94	
R551664		<20	0.16	<10	<10	37	<10	22	
R551665		<20	0.36	<10	<10	93	<10	136	
R551666		<20	0.01	<10	<10	2	<10	15	
R551667		<20	0.11	<10	<10	87	<10	63	
R551668		<20	0.03	<10	<10	24	<10	29	
R551669		<20	0.14	<10	<10	42	<10	62	
R551670		<20	0.07	<10	<10	46	<10	1295	3.87
R551671		<20	0.12	<10	<10	39	<10	16	
R551672		<20	<0.01	<10	<10	2	<10	2	
R551673		<20	0.52	<10	<10	78	<10	75	
R551674		<20	0.09	<10	<10	29	<10	47	
R551675		<20	0.01	<10	<10	57	<10	90	
R551676		<20	0.11	<10	<10	86	<10	45	
R551677		<20	0.15	<10	<10	74	<10	38	
R551678		<20	0.11	<10	<10	108	10	34	
R551679		<20	0.34	<10	<10	58	<10	28	
R551680		<20	0.11	<10	<10	106	10	33	
R551681		<20	0.04	<10	<10	26	<10	48	



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
www.alsglobal.com

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

Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 29-NOV-2016  
Account: KAMGOL

Project: Coffee

**CERTIFICATE OF ANALYSIS WH16193226**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:	Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.		
	BAG-01	CRU-31	CRU-QC
	LOG-23	PUL-32m	PUL-QC
	WEI-21		
			LOG-21
			SPL-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA13	Au-ICP21	ME-ICP41