



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: ANGLOGOLD ASHANTI MINNESOTA INC.
6300 S. SYRACUSE WAY #500
CENTENNIAL CO 80111
USA

Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2016
Account: AAMICLSR

CERTIFICATE TB16127709

This report is for 40 Sediment samples submitted to our lab in Thunder Bay, ON, Canada on 4-AUG-2016.

The following have access to data associated with this certificate:

PHIL LARSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-44	Screen to -63um
WEI-21b	Weight - Pulp
WEI-23c	Weight of pulp after all anal.
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
C-IR07	Total Carbon (Leco)	LECO

To: ANGLOGOLD ASHANTI MINNESOTA INC.
ATTN: PHIL LARSON
6300 S. SYRACUSE WAY #500
CENTENNIAL CO 80111
USA

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: ANGLOGOLD ASHANTI MINNESOTA INC.
6300 S. SYRACUSE WAY #500
CENTENNIAL CO 80111
USA

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2016
Account: AAMICLSR

CERTIFICATE OF ANALYSIS TB16127709

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	WEI-21b Pulp Wt g	Au-ICP22 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm
AGAM13866		1.11	92	0.010	0.17	6.95	9.8	330	0.92	0.17	1.92	0.09	55.9	27.8	107	2.56
AGAM13867		1.41	86	0.005	0.08	6.97	9.5	360	0.94	0.17	1.74	0.05	44.8	27.9	106	2.12
AGAM13868		1.20	57	0.005	0.12	6.69	10.1	370	0.79	0.17	1.60	0.13	34.3	21.0	109	2.86
AGAM13869		1.16	129	0.004	0.30	6.47	5.4	450	1.09	0.17	0.94	0.10	41.0	12.8	78	2.84
AGAM13870		1.67	158	0.009	0.08	7.97	6.9	530	1.24	0.20	1.61	0.07	69.6	24.6	143	4.35
AGAM13871		1.10	312	0.002	0.11	7.16	3.6	530	1.02	0.12	1.70	0.08	40.6	20.2	113	2.31
AGAM13872		1.37	238	0.001	0.25	7.50	4.5	550	1.05	0.18	1.67	0.08	49.1	18.9	123	3.07
AGAM13873		1.44	246	0.005	0.06	6.88	3.7	380	1.09	0.15	1.69	0.05	48.3	23.3	203	3.30
AGAM13874		1.19	291	0.003	0.15	6.88	3.0	560	1.02	0.14	1.70	0.05	42.7	14.7	106	3.38
AGAM13875		0.99	162	<0.001	0.06	7.51	2.5	570	1.88	0.31	1.23	0.04	85.4	11.5	57	3.14
AGAM13876		1.40	296	0.001	0.04	7.32	3.6	610	1.32	0.13	1.34	0.06	58.1	14.5	93	2.63
AGAM13877		1.25	177	0.001	0.25	6.99	4.3	540	1.22	0.18	1.52	0.10	46.2	18.5	103	3.98
AGAM13878		1.42	209	0.003	0.14	7.17	5.9	430	0.93	0.15	1.58	0.07	45.7	25.2	124	2.46
AGAM13879		1.55	256	0.004	0.10	7.17	4.7	470	1.02	0.14	1.65	0.06	48.3	16.7	118	2.07
AGAM13880		1.36	160	0.001	0.16	7.23	6.9	420	0.94	0.16	1.86	0.11	49.2	33.0	111	2.55
AGAM13881		1.68	212	0.002	0.13	7.47	5.4	380	0.98	0.20	2.43	0.10	59.7	34.5	180	3.73
AGAM13882		1.35	303	0.001	0.11	7.12	3.6	560	1.21	0.12	1.82	0.06	49.3	20.4	125	3.95
AGAM13883		1.26	306	0.002	0.20	7.63	4.5	530	1.07	0.11	1.79	0.07	37.3	19.7	142	3.27
AGAM13884		1.40	253	<0.001	0.03	7.43	4.4	420	1.10	0.14	2.12	0.05	44.8	24.4	211	5.12
AGAM13885		1.42	250	0.001	0.05	7.03	3.5	430	1.04	0.13	2.31	0.07	40.5	24.8	203	4.62
AGAM13886		1.17	261	<0.001	0.10	7.28	3.4	500	1.03	0.12	2.04	0.04	39.8	20.3	141	2.69
AGAM13887		0.10		0.001	0.08	10.25	3.9	310	0.87	0.08	3.58	0.06	36.4	32.8	153	0.92
AGAM13888		0.97	227	0.002	0.03	7.60	4.2	620	1.28	0.15	1.39	0.05	62.6	15.0	94	2.25
AGAM13889		2.03	296	<0.001	0.02	7.86	2.4	720	2.26	0.33	1.58	0.05	71.0	10.5	54	6.31
AGAM13890		1.54	212	<0.001	0.16	7.42	4.6	610	1.46	1.07	1.34	0.07	44.1	17.7	119	6.23
AGAM13891		1.28	221	0.002	0.08	7.31	3.6	620	1.30	0.40	1.52	0.06	61.2	14.7	84	2.96
AGAM13892		2.01	224	<0.001	0.04	7.43	1.2	780	1.74	0.20	1.76	0.05	81.3	14.5	92	2.05
AGAM13893		1.53	212	0.001	0.11	6.57	3.8	590	1.24	0.22	0.88	0.07	60.6	10.6	68	4.12
AGAM13894		1.78	177	<0.001	0.06	6.28	2.5	570	1.16	0.14	1.28	0.08	58.0	12.5	66	3.03
AGAM13895		1.26	275	0.001	0.04	6.99	1.9	600	1.32	0.14	1.44	0.03	46.4	9.5	63	2.45
AGAM13896		1.48	205	0.001	0.06	6.40	1.6	570	1.24	0.14	2.84	0.07	49.2	14.0	72	1.77
AGAM13897		1.35	222	0.001	0.05	6.34	1.8	520	1.19	0.15	2.98	0.07	52.4	13.8	82	1.72
AGAM13898		1.42	170	0.003	0.05	6.50	2.2	610	1.01	0.12	3.56	0.08	56.2	21.4	129	1.58
AGAM13899		1.38	213	0.004	0.05	6.22	1.8	500	1.12	0.13	3.36	0.07	42.5	17.2	96	1.44
AGAM18501		1.42	139	<0.001	0.04	6.23	1.5	560	1.17	0.11	2.57	0.06	39.8	10.9	59	1.45
AGAM18502		1.34	177	0.002	0.05	6.36	2.0	530	1.14	0.15	3.33	0.08	48.4	11.9	66	1.86
AGAM18503		1.53	244	<0.001	0.04	6.17	1.5	500	1.26	0.10	2.20	0.06	40.5	8.3	71	1.43
AGAM18504		1.49	198	<0.001	0.04	6.10	1.9	500	1.23	0.11	2.35	0.05	46.6	8.4	48	1.32
AGAM18505		1.18	96	0.001	0.08	6.30	3.1	490	1.12	0.18	5.25	0.16	58.0	13.0	79	2.99
AGAM18506		1.26	69	0.001	0.08	5.24	6.0	410	1.19	0.20	8.63	0.28	53.1	9.1	58	3.68



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: ANGLOGOLD ASHANTI MINNESOTA INC.
6300 S. SYRACUSE WAY #500
CENTENNIAL CO 80111
USA

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2016
Account: AAMICLSR

CERTIFICATE OF ANALYSIS TB16127709

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
AGAM13866		142.0	6.19	14.20	0.07	2.4	0.051	1.10	16.1	20.8	1.39	733	1.30	1.58	5.4	94.1
AGAM13867		112.5	5.87	14.00	0.08	2.3	0.045	1.09	17.6	19.2	1.42	1080	0.76	1.63	5.1	87.9
AGAM13868		80.6	5.49	14.00	0.07	2.1	0.047	1.06	14.0	22.5	1.28	755	1.46	1.33	6.7	79.0
AGAM13869		21.2	4.09	14.25	0.08	3.0	0.042	1.51	20.1	25.1	0.89	512	0.87	1.53	7.8	46.6
AGAM13870		133.0	5.28	17.70	0.12	3.9	0.049	1.61	31.8	25.5	1.38	916	0.93	1.66	10.0	85.7
AGAM13871		28.6	4.04	16.25	0.09	4.3	0.041	1.46	16.9	18.6	1.06	463	0.95	1.83	11.1	53.9
AGAM13872		32.2	4.34	15.95	0.09	4.0	0.041	1.51	20.4	21.9	1.22	489	1.30	1.73	10.0	60.0
AGAM13873		77.2	6.03	14.45	0.08	2.4	0.044	1.24	15.5	24.4	2.16	908	1.09	1.80	5.1	97.4
AGAM13874		23.1	3.86	15.35	0.08	4.2	0.042	1.61	21.0	20.7	1.07	477	0.81	1.84	10.4	47.6
AGAM13875		16.1	2.56	17.95	0.10	6.1	0.037	2.42	34.2	25.8	0.64	312	0.85	2.17	10.0	33.8
AGAM13876		15.6	3.72	17.30	0.09	5.3	0.037	1.99	26.9	23.1	0.96	414	0.66	1.97	12.1	42.3
AGAM13877		26.6	4.21	16.35	0.08	3.9	0.047	1.58	22.0	28.4	1.13	653	0.94	1.67	10.5	57.3
AGAM13878		75.5	5.40	15.10	0.09	3.2	0.050	1.32	19.5	22.4	1.44	776	0.83	1.57	7.6	83.0
AGAM13879		26.5	4.51	15.35	0.08	3.4	0.040	1.59	22.9	20.3	1.19	501	0.62	1.96	7.9	58.5
AGAM13880		110.5	6.01	15.60	0.06	2.6	0.050	1.19	18.0	21.8	1.33	961	1.24	1.48	7.1	106.0
AGAM13881		130.5	6.40	15.70	0.08	2.9	0.053	1.19	21.0	23.5	1.98	864	1.68	1.81	7.4	101.5
AGAM13882		30.4	4.20	15.85	0.08	4.1	0.043	1.50	22.6	19.8	1.21	538	1.00	1.90	10.5	68.9
AGAM13883		32.3	4.20	17.00	0.07	3.8	0.048	1.41	16.9	20.2	1.18	488	0.98	1.87	9.4	67.5
AGAM13884		48.6	4.86	16.60	0.06	2.8	0.037	1.13	15.3	22.8	2.13	620	0.62	1.91	6.0	102.5
AGAM13885		36.8	4.85	15.15	0.08	2.6	0.041	1.08	14.5	19.5	2.10	630	0.48	1.90	5.6	99.3
AGAM13886		33.9	4.32	15.90	0.09	3.1	0.043	1.33	17.1	19.9	1.45	556	0.85	1.89	8.0	74.6
AGAM13887		35.8	4.93	20.9	0.06	2.4	0.038	0.67	8.9	12.6	1.53	478	0.61	1.94	6.7	108.0
AGAM13888		28.3	3.56	16.85	0.08	4.8	0.041	1.66	23.4	20.2	0.91	411	0.99	2.05	10.4	44.4
AGAM13889		16.1	2.34	19.80	0.09	3.9	0.028	2.58	31.6	32.3	0.85	327	0.35	2.79	10.7	28.7
AGAM13890		25.8	3.42	17.65	0.08	3.7	0.040	1.64	21.1	38.2	1.13	353	1.14	1.83	9.8	61.8
AGAM13891		18.4	3.02	16.80	0.09	4.4	0.038	1.76	26.5	22.3	0.90	446	0.66	2.22	9.2	40.0
AGAM13892		37.1	2.51	17.45	0.10	5.4	0.028	2.16	32.4	19.5	1.01	383	0.56	2.60	6.9	53.9
AGAM13893		18.9	2.95	17.50	0.10	4.7	0.043	1.66	28.6	34.2	0.59	377	1.28	1.21	13.7	25.5
AGAM13894		8.8	2.46	15.50	0.08	4.9	0.037	1.74	27.1	32.1	0.68	463	0.63	1.54	12.2	28.9
AGAM13895		11.4	2.28	16.10	0.07	4.0	0.030	1.96	24.1	19.5	0.71	321	0.27	2.13	7.9	27.9
AGAM13896		21.6	2.90	15.15	0.09	3.6	0.030	1.74	25.4	17.7	1.01	488	1.50	1.90	6.8	34.6
AGAM13897		22.7	3.09	15.05	0.08	3.8	0.032	1.69	26.8	18.3	1.17	534	1.33	1.74	7.3	38.8
AGAM13898		28.3	3.72	15.40	0.09	3.0	0.035	1.91	28.1	18.2	1.80	651	1.07	2.06	6.2	76.2
AGAM13899		28.8	3.61	14.40	0.08	3.2	0.036	1.67	20.9	15.8	1.38	642	2.39	1.89	6.2	45.5
AGAM18501		16.9	2.24	14.45	0.07	3.2	0.025	1.88	19.9	13.6	0.86	407	1.93	2.20	6.0	27.8
AGAM18502		21.7	2.66	15.20	0.09	4.1	0.031	1.77	24.4	17.7	1.20	478	1.18	2.07	7.1	32.6
AGAM18503		19.4	2.08	13.50	0.20	3.3	0.019	1.78	19.7	13.2	0.70	372	4.40	2.31	4.8	26.6
AGAM18504		14.6	1.92	13.65	0.22	3.7	0.024	1.70	23.1	12.6	0.76	379	0.86	2.26	5.5	22.0
AGAM18505		27.3	2.99	14.65	0.25	2.9	0.035	1.71	29.2	30.1	2.22	572	0.92	1.43	7.4	40.8
AGAM18506		19.4	2.35	12.40	0.23	2.5	0.039	1.57	26.7	36.6	3.16	484	1.78	0.66	8.6	28.4



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: ANGLOGOLD ASHANTI MINNESOTA INC.
6300 S. SYRACUSE WAY #500
CENTENNIAL CO 80111
USA

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2016
Account: AAMICLSR

CERTIFICATE OF ANALYSIS TB16127709

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005
AGAM13866		1140	10.6	46.7	<0.002	0.01	0.40	16.7	1	0.8	195.0	0.33	0.05	6.11	0.374
AGAM13867		690	10.0	45.8	<0.002	0.01	0.38	15.9	1	0.8	205	0.32	<0.05	5.54	0.338
AGAM13868		1210	11.5	47.3	<0.002	0.03	0.44	13.6	1	1.0	175.5	0.42	0.05	4.78	0.372
AGAM13869		1000	10.9	73.1	<0.002	0.01	0.33	9.8	1	1.0	196.0	0.51	<0.05	5.71	0.339
AGAM13870		400	12.5	71.9	<0.002	0.01	0.44	18.4	1	1.5	241	0.64	0.05	9.07	0.493
AGAM13871		290	10.7	53.7	<0.002	0.01	0.30	10.8	1	1.2	294	0.67	<0.05	5.43	0.536
AGAM13872		410	13.2	64.0	<0.002	0.01	0.33	11.7	1	1.3	262	0.62	<0.05	7.96	0.466
AGAM13873		650	8.4	49.7	<0.002	0.01	0.23	15.2	1	0.8	221	0.33	0.05	5.32	0.346
AGAM13874		380	12.0	67.0	<0.002	0.01	0.31	11.5	1	1.2	280	0.65	<0.05	6.32	0.470
AGAM13875		390	23.1	107.0	<0.002	0.01	0.20	8.7	1	1.7	270	1.09	<0.05	16.45	0.267
AGAM13876		220	14.1	87.2	<0.002	0.01	0.35	10.4	1	1.4	303	0.78	<0.05	8.95	0.486
AGAM13877		780	13.2	72.5	<0.002	0.01	0.34	12.3	1	1.3	232	0.67	<0.05	7.12	0.451
AGAM13878		440	10.1	57.0	<0.002	0.01	0.36	16.2	1	1.1	211	0.48	0.05	6.53	0.425
AGAM13879		310	17.9	67.4	<0.002	0.01	0.44	13.0	1	1.0	262	0.50	0.05	6.98	0.392
AGAM13880		680	10.5	51.1	<0.002	0.01	0.37	16.8	1	1.0	197.5	0.46	0.05	6.48	0.418
AGAM13881		570	11.6	51.5	<0.002	0.01	0.34	18.3	2	1.2	214	0.45	0.05	7.11	0.453
AGAM13882		470	11.4	60.2	<0.002	0.01	0.30	12.2	1	1.2	288	0.60	<0.05	5.75	0.520
AGAM13883		420	10.6	55.7	<0.002	0.01	0.30	13.5	1	1.1	299	0.57	<0.05	4.55	0.492
AGAM13884		470	9.8	41.7	<0.002	0.01	0.24	15.1	1	0.9	331	0.38	<0.05	4.66	0.394
AGAM13885		450	8.6	46.9	<0.002	<0.01	0.22	16.3	1	0.8	328	0.36	<0.05	4.19	0.393
AGAM13886		510	9.9	56.5	<0.002	0.01	0.28	14.2	1	1.0	310	0.49	<0.05	4.93	0.432
AGAM13887		400	6.0	12.5	<0.002	0.02	0.23	8.6	1	0.7	337	0.42	<0.05	3.34	0.553
AGAM13888		680	14.3	63.1	<0.002	0.01	0.31	9.5	1	1.1	332	0.65	<0.05	8.42	0.500
AGAM13889		1270	18.0	112.5	<0.002	0.01	0.18	8.3	1	2.2	415	0.98	<0.05	7.84	0.291
AGAM13890		870	18.0	76.9	<0.002	0.01	0.31	10.2	1	1.3	318	0.61	<0.05	6.65	0.400
AGAM13891		1000	16.5	71.9	<0.002	0.01	0.28	9.4	1	1.1	367	0.56	<0.05	8.41	0.400
AGAM13892		1010	20.8	72.0	<0.002	0.01	0.12	10.0	1	1.0	498	0.49	<0.05	12.90	0.231
AGAM13893		570	17.9	96.6	<0.002	0.01	0.45	9.2	1	1.5	197.0	0.93	<0.05	10.05	0.458
AGAM13894		360	15.2	93.9	<0.002	0.01	0.35	9.6	1	1.3	251	0.76	<0.05	9.00	0.434
AGAM13895		400	15.0	82.0	<0.002	<0.01	0.22	9.5	1	1.0	342	0.54	<0.05	7.02	0.304
AGAM13896		570	13.7	69.1	<0.002	0.08	0.24	10.0	1	0.9	311	0.57	<0.05	7.58	0.284
AGAM13897		610	13.4	66.7	<0.002	0.09	0.26	10.9	1	0.9	281	0.53	<0.05	8.36	0.317
AGAM13898		680	13.8	72.5	<0.002	0.11	0.21	13.4	1	0.8	352	0.47	<0.05	9.20	0.329
AGAM13899		550	12.6	59.9	<0.002	0.11	0.24	12.5	1	1.0	290	0.54	<0.05	7.43	0.321
AGAM18501		500	13.6	66.0	<0.002	0.03	0.20	7.7	1	0.8	333	0.49	<0.05	6.48	0.237
AGAM18502		560	14.1	64.4	<0.002	0.04	0.22	9.3	1	1.0	328	0.51	<0.05	7.52	0.281
AGAM18503		510	14.5	62.1	<0.002	0.04	0.16	6.5	1	0.9	345	0.41	<0.05	6.51	0.208
AGAM18504		540	13.4	58.7	<0.002	0.05	0.14	7.0	1	0.8	334	0.44	<0.05	7.04	0.233
AGAM18505		610	12.3	70.1	0.002	0.12	0.32	9.5	1	1.0	269	0.54	<0.05	7.78	0.296
AGAM18506		520	12.0	70.1	0.006	0.28	0.51	7.6	1	1.2	183.5	0.58	<0.05	7.93	0.248



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: ANGLOGOLD ASHANTI MINNESOTA INC.
 6300 S. SYRACUSE WAY #500
 CENTENNIAL CO 80111
 USA

Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 3-SEP-2016
 Account: AAMICLSR

CERTIFICATE OF ANALYSIS TB16127709

Sample Description	Method Analyte Units LOR	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	C-IR07 C % 0.01	WEI-23c Split Wt g 0.1
AGAM13866		0.9	121	0.8	12.8	75	87.1	1.30	36.7
AGAM13867		1.0	114	0.7	12.6	64	84.4	0.45	30.4
AGAM13868		1.0	116	0.7	10.4	93	77.0	2.94	3.5
AGAM13869		1.2	80	0.9	10.3	78	112.0	1.08	72.1
AGAM13870		1.8	129	1.0	17.6	73	141.0	0.60	103.5
AGAM13871		1.2	109	0.7	12.2	62	156.5	0.63	247
AGAM13872		1.6	109	0.9	11.9	68	142.0	0.71	178.0
AGAM13873		0.9	104	0.7	11.4	78	86.0	0.44	182.5
AGAM13874		1.4	98	0.9	12.4	59	147.5	0.47	229
AGAM13875		2.2	60	0.6	11.8	40	206	0.49	50.9
AGAM13876		1.9	98	0.8	12.3	54	186.5	0.28	236
AGAM13877		1.5	102	0.9	12.3	108	138.5	1.24	114.5
AGAM13878		1.2	119	0.9	12.8	89	116.5	0.81	147.0
AGAM13879		1.2	101	1.5	11.7	55	124.5	0.51	188.0
AGAM13880		1.2	125	0.7	13.8	87	92.2	1.27	99.3
AGAM13881		1.4	145	1.0	14.9	89	105.0	0.80	151.5
AGAM13882		1.3	110	0.8	13.2	71	150.5	0.65	240
AGAM13883		1.2	117	1.1	12.1	65	137.5	0.80	246
AGAM13884		0.9	119	1.2	11.4	66	101.0	0.30	191.5
AGAM13885		0.8	119	1.2	12.3	61	99.3	0.17	188.0
AGAM13886		1.1	109	0.9	12.2	61	117.0	0.65	200
AGAM13887		0.8	112	0.4	8.4	53	86.0	1.50	
AGAM13888		1.5	97	0.7	12.4	55	175.0	0.89	168.0
AGAM13889		1.8	59	0.7	12.3	41	146.0	0.36	234
AGAM13890		1.6	95	1.2	10.4	94	135.0	1.18	151.5
AGAM13891		1.5	82	0.6	12.4	63	160.5	0.78	160.5
AGAM13892		2.2	57	0.4	14.5	40	199.5	0.33	163.5
AGAM13893		2.2	87	1.2	12.6	72	172.0	1.38	151.5
AGAM13894		1.9	72	0.9	13.4	65	188.0	0.65	116.0
AGAM13895		1.3	61	0.6	10.9	40	148.0	0.33	168.0
AGAM13896		1.3	62	12.2	14.6	44	133.0	0.65	144.5
AGAM13897		1.4	68	5.1	15.5	47	142.5	0.75	161.0
AGAM13898		1.3	84	7.6	14.9	52	113.0	0.44	110.5
AGAM13899		1.3	90	7.2	15.2	52	113.5	0.59	152.5
AGAM18501		1.1	52	14.2	11.6	34	120.5	0.51	83.5
AGAM18502		1.4	63	2.2	13.9	43	151.5	0.83	117.5
AGAM18503		1.3	46	5.3	10.1	32	123.5	0.36	183.5
AGAM18504		1.4	48	3.8	11.7	31	136.0	0.38	137.5
AGAM18505		1.8	86	0.8	13.4	69	110.5	2.23	40.9
AGAM18506		2.5	103	0.8	13.6	65	91.7	4.49	14.5



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: ANGLOGOLD ASHANTI MINNESOTA INC.
6300 S. SYRACUSE WAY #500
CENTENNIAL CO 80111
USA

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 3-SEP-2016
Account: AAMICLSR

CERTIFICATE OF ANALYSIS TB16127709

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada.		
	LOG-22	LOG-24	SCR-44
	WEI-21b		WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-ICP22	C-IR07	ME-MS61
			WEI-23c