



Date Submitted: 06-Jun-17
Invoice No.: A17-05617 (i)
Invoice Date: 12-Jan-18
Your Reference: ODM #1539

ANGLOGOLD Ashanti
L1, 44 St. Georges Terrace
Perth WA 6000
Australia

ATTN: Andrew Tyrrell

CERTIFICATE OF ANALYSIS

124 Heavy Mineral Concentrates samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Au-Fire Assay ICPOES 30g
Code 3A-Large HMC INAA(INAAGEO)
Code 3C Aqua Regia ICP(AQUAGEO)

REPORT **A17-05617 (i)**

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Notes:

Unaltered silicates and resistate minerals may not be dissolved. Values which exceed upper limit should be assayed.

CERTIFIED BY:

A handwritten signature in black ink, consisting of a stylized 'E' followed by a series of loops and a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

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Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5	5	2	200	5	1	5	10	2	0.02	1	5	50	20	0.05	200	50	0.2	0.1	20	0.2	1	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
863651																							
863651 dup																							
863651 (new)	8	< 5	17	< 200	< 5	6	221	320	< 2	19.2	27	< 5	< 50	< 20	0.47	< 200	< 50	1.2	49.6	< 20	< 0.2	< 1	47.9

Results

Activation Laboratories Ltd.

Report: A17-05617

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppb
Lower Limit	0.5	4	200	1	3	10	0.1	0.2	2	0.2	0.05		2
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	FA-ICP
863651													> 30000
863651 dup													> 30000
863651 (new)	5.1	< 4	< 200	238	520	290	49.5	9.8	2	11.0	1.11	17.2	

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Lower Limit	5	5	2	200	5	1	5	10	2	0.02	1	5	50	20	0.05	200	50	0.2	0.1	20	0.2	1	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
OxQ75 Meas																							
OxQ75 Cert																							
OxQ90 Meas																							
OxQ90 Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
DMMAS 121 Meas	637		1810	1300			49	170		3.55					2.00			6.6	5.9				
DMMAS 121 Cert	726		1670	1180			45.2	142		3.45					2.16			7.60	6.10				
Method Blank	< 5	< 5	< 2	< 200	< 5	< 1	< 5	< 10	< 2	< 0.02	< 1	< 5	< 50	< 20	< 0.05	< 200	< 50	< 0.2	< 0.1	< 20	< 0.2	< 1	< 0.5

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppb
Lower Limit	0.5	4	200	1	3	10	0.1	0.2	2	0.2	0.05		2
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	FA-ICP
OxQ75 Meas													> 30000
OxQ75 Cert													50030.00
OxQ90 Meas													25600
OxQ90 Cert													24880.00
OREAS 223 (Fire Assay) Meas													1780
OREAS 223 (Fire Assay) Cert													1780
DMMAS 121 Meas	13.6			18	30		2.7						
DMMAS 121 Cert	11.5			16.6	29.8		2.20						
Method Blank	< 0.5	< 4	< 200	< 1	< 3	< 10	< 0.1	< 0.2	< 2	< 0.2	< 0.05	30.0	