



NORTHERN TERRITORY ENVIRONMENTAL LABORATORIES PTY LTD

CHEMICAL ANALYSIS REPORT

ACACIA MINERALS PTY LTD

PO Box 4156
ALICE SPRINGS NT 0871
AUSTRALIA

REPORT CODE: NT20613
Report Date: 4/08/2010
Samples Received: 19/07/2010
Number of Samples: 21

Purchase Order: EMAIL JAE ???/2010
Project: 15017 - 15037
Cost Code: _____

NTel
ABN 95 095 369 289
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Sample Details:

Report Details: **NATA ACCREDITATION No: 14610**
Test results only apply to samples received
Samples were analysed between 19/07/10 and 04/08/10

Comments:

NATA accreditation of this laboratory does not cover the performance of the following test procedures:
Gold.

Authorisation:

Fiona Dunbar-Smith



WORLD RECOGNISED
ACCREDITATION

This document is issued in accordance
with NATA's accreditation
requirements.

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Methodology:

Analysis	Analytical Method	Technique	Accuracy/ Precision +/-%	Detection Limit	Data Units
Au	FACF	AA240	10	1	ppb
Au_R1	FACF	AA240	10	1	ppb
Ag	G400M	ICPMS	10	0.05	ppm
As	G400M	ICPMS	10	0.5	ppm
Co	G400M	ICPMS	10	0.05	ppm
Cu	G400M	ICPMS	10	0.2	ppm
Fe	G400I	ICPOES	10	20	ppm
Mn	G400I	ICPOES	10	1	ppm
Ni	G400M	ICPMS	10	0.2	ppm
P	G400I	ICPOES	10	20	ppm
Pb	G400M	ICPMS	10	0.2	ppm
U	G400M	ICPMS	10	0.01	ppm
Zn	G400M	ICPMS	10	0.5	ppm

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Element:	Au	Au_R1	Ag	As	Co	Cu	Fe	Mn	Ni
Method: Units:	FACF ppb	FACF ppb	G400M ppm	G400M ppm	G400M ppm	G400M ppm	G400I ppm	G400I ppm	G400M ppm
Sample ID									
15017	<1	--	<0.05	16.5	16.8	62.8	6.42%	405	10.8
15018	<1	--	<0.05	13.0	1.35	20.8	2.02%	32	6.8
15019	<1	--	0.15	166	28.9	840	11.3%	147	205
15020	<1	--	0.10	10.0	2.70	21.0	2.21%	28	24.6
15021	<1	<1	0.10	37.5	20.5	77.8	16.0%	108	200
15022	8	--	0.40	414	86.1	143	17.4%	522	160
15023	3	--	0.05	639	133	70.8	40.6%	1280	948
15024	<1	--	0.30	14.0	0.90	10.8	4.88%	26	10.0
15025	<1	--	<0.05	17.5	12.5	8.0	10.8%	54	68.6
15026	<1	<1	0.10	314	76.4	112	25.8%	956	484
15027	<1	--	0.10	59.0	2.45	27.0	4.09%	23	18.4
15028	<1	--	0.05	8.5	0.60	12.0	9820	16	2.6
15029	<1	--	<0.05	10.0	0.55	3.4	8340	12	4.4
15030	<1	--	<0.05	31.0	4.75	43.4	3.55%	28	23.6
15031	<1	<1	<0.05	3.0	0.75	3.2	5580	12	5.2
15032	<1	--	<0.05	4.5	0.25	5.4	2720	7	1.2
15033	<1	--	<0.05	2.0	0.35	1.0	5600	15	3.4
15034	<1	--	<0.05	2.0	2.55	12.0	7860	34	25.2
15035	<1	--	0.20	25.0	2.30	24.8	9960	20	8.8
15036	27	--	<0.05	3010	42.8	418	34.1%	342	39.4
15037	<1	--	0.15	29.0	0.75	15.2	1.44%	14	4.2

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Element:	P	Pb	U	Zn	
Method:	G400I	G400M	G400M	G400M	
Units:	ppm	ppm	ppm	ppm	
Sample ID					
15017	80	5.4	0.34	29.0	
15018	120	5.6	0.71	12.0	
15019	920	36.4	8.95	411	
15020	160	33.0	0.71	82.5	
15021	1680	50.4	4.04	987	
15022	240	40.0	2.62	83.0	
15023	3780	54.4	9.48	3150	
15024	200	5.4	1.05	10.5	
15025	340	4.4	1.20	142	
15026	4000	22.4	6.21	555	
15027	220	9.4	1.97	32.0	
15028	40	7.4	0.58	6.0	
15029	20	1.4	0.49	2.5	
15030	180	15.6	1.30	92.5	
15031	40	2.4	0.93	9.5	
15032	40	3.6	0.40	10.0	
15033	20	0.8	0.47	2.5	
15034	40	3.0	1.51	31.5	
15035	40	6.2	1.23	16.5	
15036	480	45.8	2.03	14.5	
15037	60	3.0	0.95	6.5	