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Page: 1
Finalized Date: 30-MAR-2011
Account: BURR

CERTIFICATE BR11047000

Project: QLX1036

P.O. No.: TA51265

This report is for 10 Pulp samples submitted to our lab in Brisbane, QLD, Australia on 22-MAR-2011.

The following have access to data associated with this certificate:

RICKY GELSTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
LEV-01	Waste Disposal Levy
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
ME-MS41	51 anal. aqua regia ICPMS	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

To: BURNIE RESEARCH LABORATORY
ATTN: RICKY GELSTON
PO BOX 952
BURNIE TAS 7320

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:

Shaun Kenny, Brisbane Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
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CERTIFICATE OF ANALYSIS BR11047000

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
QLX1036		7.79	0.60	1395	<0.2	<10	40	0.07	1.96	<0.01	0.03	9.07	0.4	48	0.20	186.0
QLX1067		5.32	0.97	102.5	<0.2	<10	30	0.25	0.62	<0.01	135.0	21.6	9.5	63	0.38	675
QLX1083		13.65	0.43	146.5	<0.2	<10	30	0.13	2.77	0.01	1060	5.79	5.7	41	0.36	66.1
SL1005		3.51	0.59	12.5	1.2	<10	10	0.09	5.83	0.02	0.51	14.35	102.0	1	0.23	3970
SL1009		0.30	4.39	8.9	3.1	<10	140	0.22	0.91	<0.01	0.03	46.7	5.9	5	0.08	54.8
SL1011		1.09	3.13	7.1	0.5	<10	80	0.32	0.84	0.05	0.05	50.9	11.1	8	0.57	1650
NN1001		0.05	2.26	3.7	<0.2	<10	90	0.47	0.18	<0.01	0.05	81.1	1.6	1	0.34	23.6
ME1005		0.01	2.34	0.5	<0.2	<10	70	0.48	0.07	<0.01	0.01	100.5	2.5	1	0.53	9.0
SD1002		0.19	0.65	4.9	<0.2	<10	70	2.88	0.34	0.02	0.02	4.93	6.6	<1	0.98	3.1
SD1006		1.51	1.01	46.9	<0.2	<10	140	0.38	1.71	0.06	0.07	480	40.4	<1	0.45	2940



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-MAR-2011
Account: BURRE

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
QLX1036		26.1	7.75	0.41	0.25	12.90	0.192	0.24	5.2	0.5	0.02	<5	15.60	0.01	0.33
QLX1067		1.50	2.89	0.18	0.37	0.80	0.184	0.27	10.5	4.9	0.12	21	8.41	<0.01	0.16
QLX1083		4.00	2.94	0.08	0.42	29.3	0.433	0.20	2.7	1.7	0.04	78	3.83	<0.01	0.14
SL1005		15.65	4.60	0.28	0.63	0.50	0.101	0.16	6.4	2.5	0.13	156	3.80	0.01	0.45
SL1009		13.20	14.10	0.30	0.37	0.04	0.255	0.14	23.9	25.6	0.85	3520	5.36	<0.01	0.15
SL1011		8.80	8.54	0.21	0.29	0.15	0.248	0.37	26.3	21.9	0.97	2200	0.92	<0.01	0.09
NN1001		2.44	5.77	0.12	0.93	0.01	0.032	0.40	39.8	4.5	0.10	62	0.15	0.08	0.08
ME1005		1.65	5.67	0.11	1.02	0.01	0.013	0.23	48.0	2.9	0.18	36	0.17	<0.01	0.06
SD1002		>50	40.1	1.45	0.34	0.81	0.011	0.45	2.8	1.2	0.14	23	2.91	0.02	1.32
SD1006		27.9	18.10	0.77	0.53	0.06	1.005	0.64	250	3.5	0.44	106	16.60	<0.01	1.99



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Project: QLX1036

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-MAR-2011
Account: BURRE

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		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
QLX1036		40	5570	7.2	0.001	0.73	82.1	0.8	4.4	0.9	1.5	<0.01	1.06	7.6	0.020	0.57
QLX1067		350	2010	10.8	0.011	1.15	81.8	7.2	43.1	0.5	1.0	<0.01	0.82	33.3	0.005	0.62
QLX1083		30	5140	8.2	0.006	10.70	16.80	3.7	13.2	0.7	1.4	<0.01	0.07	16.6	0.005	1.08
SL1005		200	46.4	6.5	0.001	8.34	1.54	1.2	2.6	7.6	172.0	<0.01	2.89	0.9	0.008	0.05
SL1009		180	57.0	6.3	0.004	0.19	0.78	7.2	1.0	0.4	3.3	<0.01	0.06	7.3	0.015	0.05
SL1011		480	54.4	17.7	0.002	2.46	0.61	5.6	4.0	0.5	7.3	<0.01	0.08	8.8	0.006	0.12
NN1001		250	44.2	21.9	<0.001	0.01	0.28	4.2	0.4	0.6	3.7	<0.01	0.05	5.7	0.008	0.13
ME1005		150	7.9	22.0	<0.001	<0.01	0.30	6.1	0.4	0.4	2.6	<0.01	0.02	10.0	<0.005	0.15
SD1002		180	10.2	43.8	0.006	0.03	1.47	1.8	0.2	2.0	3.9	0.01	0.04	2.2	0.029	0.25
SD1006		460	29.6	39.2	0.022	1.73	0.76	2.9	1.7	2.5	3.6	0.02	0.29	9.9	0.023	0.15



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Page: 2 - D
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Sample Description	Method Analyte Units LOR	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Zn-OG46 Zn % 0.001
QLX1036		1.97	58	0.09	0.38	291	10.3	
QLX1067		14.65	24	0.07	6.27	2010	14.6	
QLX1083		2.48	15	0.08	1.64	>10000	14.7	14.15
SL1005		1.88	6	37.6	3.54	121	25.8	
SL1009		0.63	52	5.22	2.90	492	14.5	
SL1011		0.71	34	0.39	5.17	326	12.8	
NN1001		0.86	8	0.10	9.67	68	37.7	
ME1005		2.17	5	0.06	11.85	78	41.2	
SD1002		4.41	25	330	4.23	47	11.1	
SD1006		3.54	143	12.70	23.0	67	13.1	



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Page: Appendix 1

Total # Appendix Pages: 1

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Method	CERTIFICATE COMMENTS
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).