



Australian Laboratory Services Pty. Ltd.
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 This copy reported on 25- OCT- 2010
 Account

CERTIFICATE BR10145303

Project: PGM- MS23, MS61r & XRF11b
 P.O. No.: email A.Lau 6- 10- 10
 This report is for 8 Rock samples submitted to our lab in Brisbane, QLD, Australia on
 8- OCT- 2010.

The following have access to data associated with this certificate:

JOHN INNES

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LEV- 01	Waste Disposal Levy
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 21	Crush entire sample > 70% - 6 mm
PUL- 21	Pulverize entire sample

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61r	48 element four acid ICP- MS + REEs	
ME- XRF11b	Iron Ore by Fusion XRF	XRF
ME- GRA05	H2O/LOI by TGA furnace	TGA
PGM- MS23	Pt, Pd, Au 30g FA ICP- MS	ICP- MS

SAMPLES TAKEN BY BILL FRASER
 DURING "ON SITE" VISIT = (SUBMITTED 8 OCT 2010).
 Fraser,

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



Minerals

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CERTIFICATE OF ANALYSIS BR10145303

Sample Description	Method Analyte Units LOR	WEI- 21	PGM- MS23	PGM- MS23	PGM- MS23	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
JC001		1.06	0.001	<0.0005	<0.001	<0.01	7.53	1.2	800	1.29	0.02	1.37	0.03	0.01	0.1	1
JC002		0.85	0.001	<0.0005	<0.001	<0.01	7.88	1.1	1000	1.29	0.02	1.08	<0.02	0.02	0.1	39
JC006		0.90	<0.001	<0.0005	<0.001	0.02	8.68	1.2	1140	0.74	0.10	0.17	<0.02	0.02	3.9	4
JC007		0.93	0.001	<0.0005	<0.001	0.03	9.23	1.4	1780	0.74	0.05	0.88	<0.02	0.02	1.0	3
JC008		0.95	0.001	<0.0005	<0.001	0.02	10.20	1.2	2290	0.67	0.04	0.67	<0.02	0.02	6.7	19
JC003		0.80													860	10
JC004		1.36														
JC005		1.51														

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		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
		0.05	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
JC001		0.61	15.3	1.48	20.1	0.29	1.6	0.018	3.34	144.5	15.6	0.29	184	1.86	2.47	12.0
JC002		0.66	6.5	1.37	20.9	0.22	2.2	0.015	4.21	93.0	16.3	0.24	113	0.54	2.41	10.5
JC006		0.94	7.0	0.95	19.30	0.60	1.2	0.010	6.95	331	5.7	0.08	63	2.09	1.79	0.9
JC007		1.34	6.9	3.96	25.3	0.74	0.9	0.039	8.04	437	5.9	0.26	282	0.80	1.22	6.8
JC008		1.37	4.6	1.42	21.2	0.66	0.3	0.018	8.99	412	5.1	0.15	121	0.46	1.50	3.1
JC003																
JC004																
JC005																

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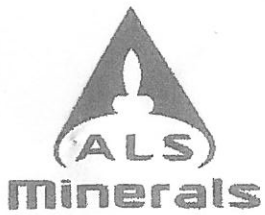
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Sample Description	Method Analyte Units LOR	ME- MS61r Ni ppm	ME- MS61r P ppm	ME- MS61r Pb ppm	ME- MS61r Rb ppm	ME- MS61r Re ppm	ME- MS61r S %	ME- MS61r Sb ppm	ME- MS61r Sc ppm	ME- MS61r Se ppm	ME- MS61r Sn ppm	ME- MS61r Sr ppm	ME- MS61r Ta ppm	ME- MS61r Te ppm	ME- MS61r Th ppm	ME- MS61r Ti %
JC001		4.8	710	44.7	161.0	<0.002	0.01	0.09	3.0	1	0.9	181.5	0.37	<0.05	349	0.173
JC002		3.4	860	43.8	192.0	<0.002	<0.01	0.07	2.9	1	0.8	198.0	0.32	<0.05	245	0.155
JC006		2.3	480	42.4	340	<0.002	<0.01	0.28	0.8	2	0.8	188.0	0.06	<0.05	387	0.026
JC007		8.4	450	63.6	342	0.002	<0.01	0.07	4.8	2	3.2	184.5	0.42	<0.05	470	0.299
JC008		5.3	600	65.4	260	0.002	<0.01	0.07	2.0	1	1.5	213	0.20	<0.05	560	0.123
JC003																
JC004																
JC005																

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Sample Description	Method Analyte Units LOR	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r	ME- MS61r
		Tl ppm 0.02	U ppm 0.1	V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Dy ppm 0.05	Er ppm 0.03	Eu ppm 0.03	Gd ppm 0.05	Ho ppm 0.01	Lu ppm 0.01	Nd ppm 0.1	Pr ppm 0.03
JC001		0.71	4.1	26	0.3	23.5	32	55.8	5.18	2.25	1.00	12.00	0.87	0.18	86.7	25.2
JC002		0.81	2.9	24	0.1	22.2	26	76.5	4.65	2.11	1.00	8.88	0.82	0.17	55.8	16.05
JC006		1.10	5.8	6	0.2	29.6	7	45.0	8.17	2.57	2.40	26.7	1.15	0.14	196.5	59.3
JC007		1.15	2.8	64	0.5	29.0	37	30.1	7.14	2.96	1.62	28.3	1.06	0.26	232	75.1
JC008		1.33	2.9	35	0.5	24.0	17	8.5	6.08	2.47	1.73	24.3	0.91	0.21	214	68.1
JC003																
JC004																
JC005																

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		Sm ppm	Tb ppm	Tm ppm	Yb ppm	Al2O3 %	As %	Ba %	CaO %	Cl %	Co %	Cr2O3 %	Cu %	Fe %	K2O %	MgO %
JC001		12.85	1.20	0.23	1.30											
JC002		9.10	0.99	0.23	1.27											
JC006		30.6	2.34	0.19	0.99											
JC007		31.1	2.16	0.29	1.79											
JC008		29.3	1.86	0.23	1.43											
JC003						2.80	<0.001	0.002	0.21	0.006	0.006	0.015	0.002	63.59	0.04	0.33
JC004						3.04	<0.001	<0.001	0.32	0.011	0.006	0.027	0.002	63.42	0.06	0.40
JC005						2.49	<0.001	0.002	1.70	0.049	0.006	0.026	0.002	63.04	0.03	0.29

↓
 IRON ASSAYS

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Sample Description	Method Analyte Units LOR	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b	ME- XRF11b
		MnO %	Mn %	Na2O %	Ni %	P %	Pb %	S %	SiO2 %	Sn %	Sr %	TiO2 %	V %	Zn %	Zr %	Total %
JC001		0.001	0.001	0.001	0.001	0.001	0.001	0.01	0.001	0.001	0.01	0.001	0.001	0.001	0.01	0.01
JC002																
JC006																
JC007																
JC008																
JC003		0.251	0.194	0.069	0.006	0.067	<0.001	0.004	1.69	0.004	<0.001	5.73	0.077	0.046	0.019	100.00
JC004		0.257	0.198	0.104	0.007	0.093	0.002	0.002	2.23	0.005	0.002	5.30	0.061	0.069	0.004	100.00
JC005		0.237	0.184	0.040	0.006	0.580	<0.001	0.002	0.88	0.005	<0.001	5.20	0.073	0.055	0.004	100.00



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Sample Description	Method Analyte Units LOR	ME- GRA05 LOI % 0.01
JC001 JC002 JC006 JC007 JC008		
JC003 JC004 JC005		-2.45 -2.87 -2.58

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Method	CERTIFICATE COMMENTS
ME- MS61r	REE's may not be totally soluble in this method.