



Australian Laboratory Services Pty. Ltd.

32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218
www.alsglobal.com/geochemistry

ALS Brisbane is a NATA Accredited Testing Laboratory. Corporate
Accreditation No: 825, Corporate Site No: 818.

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Plus Appendix Pages
Finalized Date: 16-JUL-2018
This copy reported on 20-JUL-2018
Account: MONPTY

CERTIFICATE BR18159764

Project: Barnes Hill

This report is for 13 Other samples submitted to our lab in Burnie, TAS, Australia on 5-JUL-2018.

The following have access to data associated with this certificate:

MIKE BLAKE

DR PIERRE RICHARD

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-QC	Pulverizing QC Test
LEV-01	Waste Disposal Levy
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-GRA05	H2O/LOI by TGA furnace	TGA
ME-XRF12n	Fusion XRF for Laterite Ore	XRF

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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CERTIFICATE OF ANALYSIS BR18159764

Sample Description	Method Analyte Units LOD	WEI-21	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n
		Recvd Wt. kg	Al2O3 %	CaO %	Co %	Cr2O3 %	Cu %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	Ni %	P2O5 %	Pb %	Sc %
		0.02	0.01	0.01	0.001	0.005	0.001	0.01	0.01	0.01	0.005	0.01	0.005	0.005	0.005	0.001
MON001		0.09	22.0	0.14	0.001	0.306	<0.001	7.27	0.84	1.58	0.014	0.26	0.026	0.062	<0.005	0.001
MON002		0.11	12.60	0.11	0.003	0.170	0.001	5.92	0.23	16.05	0.087	0.31	0.068	0.050	<0.005	0.002
MON003		0.12	4.84	0.48	0.009	1.400	0.001	16.28	0.33	4.91	0.091	0.82	0.036	0.032	<0.005	0.001
MON004		0.11	5.43	0.43	0.023	2.000	0.001	24.06	0.27	6.56	0.153	0.14	0.167	0.033	<0.005	0.001
MON005		0.12	17.30	0.13	0.010	4.25	0.002	50.62	0.10	0.77	0.117	0.02	0.075	0.097	<0.005	0.004
MON006		0.13	8.28	0.03	0.031	4.19	0.006	74.18	0.03	0.72	0.226	<0.01	0.259	0.040	<0.005	0.007
MON007		0.16	8.82	0.03	0.059	3.62	0.005	73.51	0.03	0.63	0.315	<0.01	0.327	0.039	<0.005	0.006
MON008		0.12	22.6	0.05	0.106	1.725	0.002	38.29	0.02	0.34	0.585	0.01	0.168	0.052	<0.005	0.003
MON009		0.11	6.36	0.16	0.027	3.29	0.002	28.83	0.12	3.69	0.158	0.10	0.146	0.041	<0.005	0.001
MON010		0.10	7.12	0.11	0.064	1.610	0.001	24.15	0.05	11.95	0.252	0.04	0.461	0.036	<0.005	<0.001
MON011		0.15	13.70	0.04	0.053	3.52	0.002	51.83	0.16	0.79	0.185	0.02	0.084	0.045	<0.005	0.005
MON012		0.17	8.49	0.02	0.217	3.30	0.002	70.23	0.05	0.88	0.742	<0.01	0.214	0.047	<0.005	0.008
MON013		0.14	7.22	1.53	0.028	2.50	0.026	52.14	0.11	6.26	0.196	0.05	0.090	0.034	<0.005	0.003

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Sample Description	Method Analyte Units LOD	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-XRF12n	ME-GRA05	PUL-QC
		SiO2	TiO2	Zn	Total	LOI	Pass75um
		%	%	%	%	%	%
		0.05	0.01	0.001	0.01	0.01	0.01
MON001		57.4	0.35	0.002	100.05	9.59	97.0
MON002		55.9	0.18	0.009	100.00	8.14	
MON003		66.6	0.41	0.006	99.97	3.60	
MON004		54.8	0.28	0.010	99.94	5.44	
MON005		15.35	0.46	0.017	99.99	10.45	
MON006		5.46	0.14	0.030	100.00	6.06	
MON007		5.99	0.13	0.025	100.00	6.09	
MON008		22.7	1.08	0.011	100.00	11.79	
MON009		50.3	1.03	0.015	99.99	5.50	
MON010		43.1	0.37	0.006	100.05	10.47	
MON011		20.6	0.73	0.014	99.96	7.90	
MON012		8.24	0.25	0.024	100.00	6.80	
MON013		23.7	0.33	0.010	100.05	5.63	

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CERTIFICATE COMMENTS

ACCREDITATION COMMENTS

Applies to Method:

NATA Accreditation covers the performance of this service but does not cover the performance of ALS Brisbane Sample Preparation. Corporate Accreditation No: 825, Corporate Site No: 818. The Technical Signatory is James Lo, XRF Supervising Chemist
ME-GRA05 ME-XRF12n

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Brisbane located at 32 Shand Street, Stafford, Brisbane, QLD, Australia. Processed at ALS Brisbane Sample Preparation at 116 Delta Street, Geebung, QLD 4034, Australia
CRU-31 LEV-01 LOG-22 ME-GRA05
ME-XRF12n PUL-31 PUL-QC SPL-22Y
WEI-21