



Australian Laboratory Services Pty. Ltd.

32 Shand Street
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www.alsglobal.com/geochemistry

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

CERTIFICATE

The following have access to data associated with this certificate:

To: **ALS MINERALS - SALES**
ATTN: ALS GEOCHEMISTRY

CANADA

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 *****

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Plus Appendix Pages

Finalized Date: 16-JAN-2018

This copy reported on 17-JAN-2018

Account: MICK

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-21	Crush entire sample >70% -6 mm
PUL-31b	Pulv. Lg split to >80% -75um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS
Au-TL43	Trace Level Au - 25g AR ICP-MS

Signature:

Shaun Kenny, Brisbane Laboratory Manager



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Finalized Date: 16-JAN-2018
Account: MICK

CERTIFICATE OF ANALYSIS BU18001358

Sample Description	Method Analyte Units LOR	WEI-21	Au-TL43	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
50058		2.08	<0.001	0.01	9.69	9.5	110	0.83	0.09	0.01	<0.02	32.6	5.6	389	1.25	28.4

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CERTIFICATE OF ANALYSIS BU18001358

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
50058		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.1
		20.2	14.8	<0.002	0.05	0.97	29.2	2	2.1	11.3	3.46	0.06	7.60	1.435	3.3



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CERTIFICATE OF ANALYSIS BU18001358

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
		1	0.1	0.1	2	0.5
50058		244	6.5	13.3	122	260

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CERTIFICATE COMMENTS	
Applies to Method:	ANALYTICAL COMMENTS REE's may not be totally soluble in this method. ME-MS61
	ACCREDITATION COMMENTS NATA Accredited. Corporate Accreditation No: 825, Corporate Site No: 818. The Technical Signatory is David Jones, ICPMS Supervising Chemist. Au-TL43 ME-MS61
	LABORATORY ADDRESSES Processed at ALS Brisbane located at 32 Shand Street, Stafford, Brisbane, QLD, Australia. NATA Accreditation does not cover the performance of ALS Brisbane Sample Preparation which is processed at 116 Delta Street, Geebung, QLD 4034, Australia Au-TL43 ME-MS61
	Processed at ALS Burnie located at 39 River Road, Burnie, TAS, Australia. CRU-21 PUL-31b WEI-21