



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 Perth is a NATA Accredited Testing Laboratory. Corporate Accreditation  
No: 825, Corporate Site No: 23001.

## CERTIFICATE AD18251257

This report is for 4 Rock samples submitted to our lab in Adelaide, SA, Australia on 8-OCT-2018.

The following have access to data associated with this certificate:

ROMAN TESLYUK

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-21	Crush entire sample
LEV-01	Waste Disposal Levy
PUL-32	Pulverize 1000g to 85% < 75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

Page: 1

Total # Pages: 2 (A - D)

Plus Appendix Pages

Finalized Date: 19-OCT-2018

This copy reported on 15-FEB-2019

Account: EARTOP

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:

Cameron Brosnan, Laboratory Manager, Perth



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 Perth is a NATA Accredited Testing Laboratory. Corporate Accreditation  
No: 825, Corporate Site No: 23001.

Page: 2 - A  
Total # Pages: 2 (A - D)  
Plus Appendix Pages  
Finalized Date: 19-OCT-2018  
Account: EARTOP

**CERTIFICATE OF ANALYSIS AD18251257**

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1
EAICAT043R		0.57	<0.001	<0.01	0.29	<0.1	<0.02	<10	180	0.08	0.02	0.14	<0.01	3.56	16.2
EAICAT044R		0.93	<0.001	0.01	0.10	0.6	<0.02	<10	50	<0.05	0.02	0.09	0.01	2.19	0.9
EAIMON308R		0.54	<0.001	<0.01	1.86	0.7	<0.02	10	20	0.84	0.06	9.82	0.01	31.6	30.0
EAIMON379R		1.00	<0.001	0.03	0.04	0.3	<0.02	<10	70	0.14	0.01	>25.0	0.03	2.18	1.4



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 Perth is a NATA Accredited Testing Laboratory. Corporate Accreditation  
No: 825, Corporate Site No: 23001.

Page: 2 - B

Total # Pages: 2 (A - D)

Plus Appendix Pages

Finalized Date: 19-OCT-2018

Account: EARTOP

**CERTIFICATE OF ANALYSIS AD18251257**

Sample Description	Method Analyte Units LOD	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
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
EAICAT043R		0.08	10.3	0.51	0.88	0.09	0.06	<0.01	<0.005	0.02	2.4	0.8	0.56	319	0.21
EAICAT044R		<0.05	4.1	1.09	0.41	<0.05	0.03	<0.01	<0.005	0.01	1.9	0.4	0.05	203	0.56
EAIMON308R		<0.05	264	5.27	12.40	0.19	0.47	<0.01	0.061	0.26	15.8	17.2	0.82	243	0.37
EAIMON379R		<0.05	11.0	0.15	0.18	<0.05	0.02	<0.01	<0.005	<0.01	1.4	1.2	0.17	850	0.05

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Perth is a NATA Accredited Testing Laboratory. Corporate Accreditation  
No: 825, Corporate Site No: 23001.

Page: 2 - D  
Total # Pages: 2 (A - D)  
Plus Appendix Pages  
Finalized Date: 19-OCT-2018  
Account: EARTOP

**CERTIFICATE OF ANALYSIS AD18251257**

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	PUL-QC
		Ti	Ti	U	V	W	Y	Zn	Zr	Pass75um
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
EAICAT043R		0.005	<0.02	0.37	6	0.05	1.11	3	2.1	92.8
EAICAT044R		<0.005	<0.02	0.68	4	<0.05	0.90	3	0.9	
EAIMON308R		0.075	0.03	0.48	179	<0.05	14.45	46	11.4	
EAIMON379R		<0.005	0.04	0.20	3	<0.05	0.63	11	0.8	



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 Perth is a NATA Accredited Testing Laboratory. Corporate Accreditation  
No: 825, Corporate Site No: 23001.

Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 19-OCT-2018  
Account: EARTOP

**CERTIFICATE OF ANALYSIS AD18251257**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method:

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

**ACCREDITATION COMMENTS**

Applies to Method:

NATA Accreditation covers the performance of this service but does not cover the performance of ALS Perth Sample Preparation. Corporate Accreditation No: 825, Corporate Site No: 23001. The Technical Signatory is Wendy Wong, Senior QC Chemist  
Au-ICP21 ME-MS41

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Perth located at 31 Denninup Way, Malaga, Australia. Processed at ALS Perth Sample Preparation at 79 Distinction Road, Wangara, WA, Australia  
Au-ICP21 ME-MS41

Applies to Method:

Processed at ALS Adelaide located at Unit 1, 1 Burma Road, Pooraka, Adelaide, SA, Australia.  
CRU-21 LEV-01 LOG-22 PUL-32  
PUL-QC WEI-21