



Australian Laboratory Services Pty. Ltd.

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www.alsglobal.com/geochemistry

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Accreditation No: 825, Corporate Site No: 818.

## QC CERTIFICATE BU17189356

Project: Kingfisher Exploration

This report is for 30 Rock Chip samples submitted to our lab in Burnie, TAS, Australia on 6-SEP-2017.

The following have access to data associated with this certificate:

SEAN WESTBROOK

KENT WIGHTON

To: KINGFISHER EXPLORATION PTY LTD  
ATTN: SEAN WESTBROOK  
15 RICHARDS AVE  
DODGES FERRY TAS 7173

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 \*\*\*\*\*

Page: 1

Total # Pages: 3 (A - C)

Plus Appendix Pages

Finalized Date: 20-SEP-2017

This copy reported on 21-SEP-2017

Account: KINEXP

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
BAG-01	Bulk Master for Storage
CRU-21	Crush entire sample >70% -6 mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
PUL-QC	Pulverizing QC Test

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS62s	Up to 54 elements by ICP-MS	ICP-MS
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

Signature:

Shaun Kenny, Brisbane Laboratory Manager



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Page: 2 - A  
Total # Pages: 3 (A - C)  
Plus Appendix Pages  
Finalized Date: 20-SEP-2017  
Account: KINEXP

## QC CERTIFICATE OF ANALYSIS BU17189356

Sample Description	Method Analyte Units LOR	Au-AA26 Au ppm 0.01	ME-MS62s Ag ppm 0.02	ME-MS62s As ppm 0.2	ME-MS62s Ba ppm 10	ME-MS62s Be ppm 0.05	ME-MS62s Bi ppm 0.01	ME-MS62s Cd ppm 0.02	ME-MS62s Ce ppm 0.01	ME-MS62s Co ppm 0.1	ME-MS62s Cs ppm 0.05	ME-MS62s Cu ppm 0.2	ME-MS62s Ga ppm 0.05	ME-MS62s Ge ppm 0.05	ME-MS62s Hf ppm 0.1	ME-MS62s In ppm 0.005
<b>STANDARDS</b>																
GBM908-10		2.84	57.7	>500	1.39	1.25	1.71	108.0	25.5	3.89	>500	20.6	0.43	3.8	0.074	
Target Range - Lower Bound		2.68	51.1	930	1.27	1.12	1.53	99.0	23.3	3.44	3270	18.65	0.18	3.2	0.064	
Upper Bound		3.32	62.9	>500	1.66	1.39	1.91	121.0	28.7	4.32	>500	22.9	0.40	4.1	0.092	
JK-17		1.95														
Target Range - Lower Bound		1.87														
Upper Bound		2.13														
MRGeo08		4.27	35.9	>500	3.20	0.62	2.25	74.6	20.0	12.75	>500	19.80	0.26	3.3	0.169	
Target Range - Lower Bound		3.99	29.5	920	2.98	0.60	2.00	66.2	17.7	11.20	568	17.50	<0.05	2.8	0.155	
Upper Bound		4.93	36.5	>500	3.76	0.76	2.48	81.0	21.9	13.80	>500	21.5	0.27	3.6	0.201	
SL76		6.05														
Target Range - Lower Bound		5.59														
Upper Bound		6.33														
<b>BLANKS</b>																
BLANK		<0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
BLANK		<0.02	<0.2	<10	<0.05	<0.01	<0.02	<0.01	<0.1	<0.05	<0.2	<0.05	<0.05	<0.1	<0.005	
Target Range - Lower Bound		<0.02	<0.2	<10	<0.05	<0.01	<0.02	<0.01	<0.1	<0.05	<0.2	<0.05	<0.05	<0.1	<0.005	
Upper Bound		0.04	0.4	20	0.10	0.02	0.04	0.02	0.2	0.10	0.4	0.10	0.10	0.2	0.010	
<b>DUPLICATES</b>																
ORIGINAL		<0.01														
DUP		<0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
ORIGINAL		<0.01														
DUP		<0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														



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Project: Kingfisher Exploration

Page: 2 - B  
Total # Pages: 3 (A - C)  
Plus Appendix Pages  
Finalized Date: 20-SEP-2017  
Account: KINEXP

## QC CERTIFICATE OF ANALYSIS BU17189356

Sample Description	Method Analyte Units LOR	ME-MS62s La ppm 0.5	ME-MS62s Li ppm 0.2	ME-MS62s Mo ppm 0.05	ME-MS62s Nb ppm 0.1	ME-MS62s Ni ppm 0.2	ME-MS62s Pb ppm 0.5	ME-MS62s Rb ppm 0.1	ME-MS62s Re ppm 0.002	ME-MS62s Sb ppm 0.05	ME-MS62s Sc ppm 1	ME-MS62s Se ppm 0.5	ME-MS62s Sn ppm 0.2	ME-MS62s Sr ppm 0.2	ME-MS62s Ta ppm 0.05	ME-MS62s Te ppm 0.05
STANDARDS																
GBM908-10		56.6	11.4	66.2	11.6	>500	>500	175.0	<0.002	1.69	17	2.5	3.1	292	0.82	0.06
Target Range - Lower Bound		49.0	9.8	57.9	9.5	2030	1860	153.0	<0.002	1.40	16	0.9	2.7	258	0.68	<0.05
Upper Bound		61.0	12.4	70.9	11.9	>500	>500	187.0	0.006	2.01	22	3.1	3.9	316	0.97	0.16
JK-17																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		36.8	32.2	16.10	20.1	>500	>500	209	0.007	4.43	12	2.4	3.9	328	1.44	<0.05
Target Range - Lower Bound		31.1	29.5	13.65	19.0	622	971	173.5	0.005	3.89	10	0.6	3.5	277	1.39	<0.05
Upper Bound		39.1	36.5	16.75	23.4	>500	>500	212	0.013	5.39	15	2.8	4.7	339	1.81	0.14
SL76																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK		<0.5	<0.2	<0.05	<0.1	<0.2	<0.5	<0.1	<0.002	<0.05	<1	<0.5	<0.2	<0.2	<0.05	<0.05
Target Range - Lower Bound		<0.5	<0.2	<0.05	<0.1	<0.2	<0.5	<0.1	<0.002	<0.05	<1	<0.5	<0.2	<0.2	<0.05	<0.05
Upper Bound		1.0	0.4	0.10	0.2	0.4	1.0	0.2	0.004	0.10	2	1.0	0.4	0.4	0.10	0.10
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
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DUP																
Target Range - Lower Bound																
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Page: 2 - C  
Total # Pages: 3 (A - C)  
Plus Appendix Pages  
Finalized Date: 20-SEP-2017  
Account: KINEXP

## QC CERTIFICATE OF ANALYSIS BU17189356

Sample Description	Method Analyte Units LOR	ME-MS62s Th ppm 0.01	ME-MS62s Ti ppm 0.02	ME-MS62s U ppm 0.1	ME-MS62s W ppm 0.1	ME-MS62s Y ppm 0.1	ME-MS62s Zr ppm 0.5
<b>STANDARDS</b>							
GBM908-10		18.30	1.20	2.3	3.6	38.5	142.5
Target Range - Lower Bound		16.55	1.01	2.0	2.9	35.2	117.5
Upper Bound		20.3	1.41	2.6	4.1	43.2	160.5
JK-17							
Target Range - Lower Bound							
Upper Bound							
MRGeo08		19.85	0.98	5.3	5.0	27.5	111.5
Target Range - Lower Bound		17.90	0.89	4.9	4.1	23.8	92.2
Upper Bound		21.9	1.25	6.2	5.8	29.3	126.0
SL76							
Target Range - Lower Bound							
Upper Bound							
<b>BLANKS</b>							
BLANK		<0.01	<0.02	<0.1	<0.1	<0.1	<0.5
Target Range - Lower Bound		<0.01	<0.02	<0.1	<0.1	<0.1	<0.5
Upper Bound		0.02	0.04	0.2	0.2	0.2	1.0
<b>DUPLICATES</b>							
ORIGINAL							
DUP							
Target Range - Lower Bound							
Upper Bound							
ORIGINAL							
DUP							
Target Range - Lower Bound							
Upper Bound							



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Project: Kingfisher Exploration

Page: 3 - A  
Total # Pages: 3 (A - C)  
Plus Appendix Pages  
Finalized Date: 20-SEP-2017  
Account: KINEXP

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Sample Description	Method Analyte Units LOR	Au-AA26	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s
		Au	Ag	As	Ba	Be	Bi	Cd	Ce	Co	Cs	Cu	Ga	Ge	Hf	In
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.02	0.2	10	0.05	0.01	0.02	0.01	0.1	0.05	0.2	0.05	0.05	0.1	0.005
		DUPLICATES														
GR326		0.01														
DUP		<0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
GR349		0.07														
DUP		0.08														
Target Range - Lower Bound		0.05														
Upper Bound		0.10														
		13.4														
		160														
		2.76														
		0.46														
		<0.02														
		1.62														
		0.5														
		19.85														
		2.8														
		18.05														
		<0.05														
		0.2														
		0.820														
		0.08														
		13.4														
		160														
		2.83														
		0.46														
		<0.02														
		1.73														
		0.5														
		20.2														
		2.9														
		18.45														
		<0.05														
		0.2														
		0.841														
		0.05														
		12.5														
		140														
		2.61														
		0.43														
		<0.02														
		1.58														
		0.4														
		18.95														
		2.5														
		17.30														
		<0.05														
		<0.1														
		0.784														
		0.10														
		14.3														
		180														
		2.98														
		0.49														
		0.04														
		1.77														
		0.6														
		21.1														
		3.2														
		19.20														
		0.10														
		0.3														
		0.877														



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Page: 3 - B  
Total # Pages: 3 (A - C)  
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GR326 DUP Target Range - Lower Bound Upper Bound		DUPLICATES														
GR349 DUP Target Range - Lower Bound Upper Bound		0.7 0.8 <0.5 1.0	140.0 144.5 135.0 149.5	0.48 0.33 0.33 0.48	5.8 5.2 5.1 5.9	1.3 1.5 1.1 1.7	1.3 1.4 0.8 1.9	281 285 269 297	<0.002 <0.002 <0.002 0.004	0.09 0.11 <0.05 0.16	3 3 2 4	<0.5 <0.5 <0.5 1.0	57.4 58.6 54.9 61.1	3.6 3.6 3.2 4.0	0.45 0.46 0.38 0.53	<0.05 <0.05 <0.05 0.10





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Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 20-SEP-2017  
Account: KINEXP

Project: Kingfisher Exploration

**QC CERTIFICATE OF ANALYSIS BU17189356**

	CERTIFICATE COMMENTS
	<b>ACCREDITATION COMMENTS</b>
Applies to Method:	NATA Accredited. Corporate Accreditation No: 825, Corporate Site No: 818. The Technical Signatory is David Jones, ICPMS Supervising Chemist. ME-MS62s
	<b>LABORATORY ADDRESSES</b>
Applies to Method:	Processed at ALS Townsville located at 14-15 Desma Court, Bohle, Townsville, QLD, Australia. Au-AA26
Applies to Method:	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 ME-MS62s
Applies to Method:	Processed at ALS Burnie located at 39 River Road, Burnie, TAS, Australia. BAG-01                      CRU-21                      LEV-01                      PUL-32 PUL-QC                      SPL-21                      WEI-21