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To: **STELLAR RESOURCES**  
**LEVEL 17, 530 COLLINS STREET**  
**MELBOURNE VIC 3000**

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Total # Pages: 4 (A – D)

Plus Appendix Pages

Finalized Date: 24-MAY-2023

Account: STERES

## QC CERTIFICATE AD23109432

Project: ZS152A

This report is for 51 samples of Pulp submitted to our lab in Burnie, TAS, Australia on 21-APR-2023.

The following have access to data associated with this certificate:

ADAM FRANKCOMBE

BEC LOCKLEY

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
HOM-01	Homogenize by light pulverizing

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn – Four Acid	
ME-MS85	Lithium Borate Fusion – Select Elements	ICP-MS
ME-MS61	48 element four acid ICP-MS	

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:

Devin Borstel, Operations Manager



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Project: ZS152A

**QC CERTIFICATE OF ANALYSIS AD23109432**

Sample Description	Method Analyte Units LOD	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	ME-MS61
		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05
STANDARDS																
AMIS0020																
Target Range – Lower Bound																
Upper Bound																
CCU-1e																
Target Range – Lower Bound																
Upper Bound																
CGL 208																
Target Range – Lower Bound																
Upper Bound																
EMOG-17																
EMOG-17																
EMOG-17																
EMOG-17																
Target Range – Lower Bound																
Upper Bound																
OREAS 120																
OREAS 120																
Target Range – Lower Bound																
Upper Bound																
OREAS 243																
OREAS 243																
OREAS 243																
OREAS 243																
Target Range – Lower Bound																
Upper Bound																
OREAS 315																
Target Range – Lower Bound																
Upper Bound																
OREAS 460																
Target Range – Lower Bound																
Upper Bound																
OREAS-752																
Target Range – Lower Bound																
Upper Bound																



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Project: ZS152A

**QC CERTIFICATE OF ANALYSIS AD23109432**

Sample Description	Method Analyte Units LOD	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1
STANDARDS																
AMIS0020																
Target Range – Lower Bound																
Upper Bound																
CCU-1e																
Target Range – Lower Bound																
Upper Bound																
CGL 208																
Target Range – Lower Bound																
Upper Bound																
EMOG-17		0.14	1.8	0.842	1.66	23.9	27.7	0.96	744	1060	1.11	14.2	7540	810	7120	107.5
EMOG-17		0.14	1.7	0.865	1.64	23.6	27.0	0.94	724	1050	1.08	13.6	7440	790	7010	107.5
EMOG-17		0.15	1.7	0.930	1.70	26.0	27.9	0.98	749	1090	1.14	14.2	7730	820	7200	114.5
EMOG-17		0.15	1.8	0.952	1.65	24.3	26.7	0.95	722	1050	1.08	15.7	7490	790	7160	111.5
Target Range – Lower Bound		0.06	1.6	0.823	1.49	20.7	23.9	0.86	670	997	0.99	12.7	6820	700	6570	98.9
Upper Bound		0.30	2.2	1.015	1.85	26.4	29.7	1.08	830	1220	1.23	15.7	8330	880	8030	121.0
OREAS 120																
OREAS 120																
Target Range – Lower Bound																
Upper Bound																
OREAS 243		0.07	1.8	0.072	0.63	6.2	13.2	3.13	1220	1.70	1.98	3.4	63.7	440	37.4	17.2
OREAS 243		0.12	1.7	0.079	0.63	6.4	13.1	3.13	1215	1.82	1.96	3.7	64.6	440	37.3	18.5
OREAS 243		0.08	1.6	0.080	0.64	6.3	13.4	3.12	1215	1.76	2.01	3.3	64.7	450	36.1	18.1
OREAS 243		0.10	1.8	0.084	0.63	7.1	13.1	3.16	1235	1.84	1.99	3.9	66.4	450	37.6	18.9
Target Range – Lower Bound		<0.05	1.6	0.066	0.57	5.0	11.8	2.86	1130	1.69	1.83	3.2	58.3	390	34.0	16.0
Upper Bound		0.21	2.1	0.094	0.72	7.7	14.8	3.52	1390	2.17	2.25	4.2	71.7	490	42.6	19.8
OREAS 315																
Target Range – Lower Bound																
Upper Bound																
OREAS 460																
Target Range – Lower Bound																
Upper Bound																
OREAS-752																
Target Range – Lower Bound																
Upper Bound																



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**QC CERTIFICATE OF ANALYSIS AD23109432**

Sample Description	Method Analyte Units LOD	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
STANDARDS																
AMIS0020																
Target Range – Lower Bound																
Upper Bound																
CCU-1e																
Target Range – Lower Bound																
Upper Bound																
CGL 208																
Target Range – Lower Bound																
Upper Bound																
EMOG-17		0.297	3.22	787	7.6	6	2.5	207	0.87	1.26	10.85	0.322	2.06	3.1	73	3.5
EMOG-17		0.319	3.18	773	7.7	6	2.5	203	0.87	1.16	11.10	0.311	2.10	3.3	71	3.4
EMOG-17		0.324	3.24	794	8.4	6	2.5	210	0.88	1.23	12.10	0.337	2.22	3.3	75	4.1
EMOG-17		0.315	3.16	772	8.1	6	2.7	199.0	0.90	1.41	11.65	0.311	2.16	3.6	72	3.8
Target Range – Lower Bound		0.286	2.91	643	7.2	4	2.2	184.5	0.78	1.10	10.35	0.285	1.89	2.8	67	3.3
Upper Bound		0.354	3.57	869	9.0	9	3.2	226	1.08	1.46	12.65	0.359	2.61	3.7	84	4.7
OREAS 120																
OREAS 120																
Target Range – Lower Bound																
Upper Bound																
OREAS 243		0.003	0.52	2.03	33.4	1	1.2	99.3	0.23	0.19	1.32	0.607	0.31	0.4	249	33.9
OREAS 243		0.003	0.52	2.01	36.8	1	1.2	95.5	0.23	0.13	1.29	0.588	0.32	0.4	251	33.9
OREAS 243		0.003	0.51	2.00	35.8	1	1.1	99.9	0.23	0.14	1.35	0.599	0.30	0.4	251	39.3
OREAS 243		0.003	0.52	2.24	36.7	1	1.3	99.5	0.25	0.16	1.37	0.589	0.32	0.4	252	35.5
Target Range – Lower Bound		<0.002	0.46	1.85	32.2	<1	0.8	88.0	0.15	<0.05	1.24	0.535	0.25	0.2	231	31.9
Upper Bound		0.007	0.59	2.63	39.6	3	1.7	108.0	0.37	0.24	1.54	0.665	0.39	0.6	285	43.5
OREAS 315																
Target Range – Lower Bound																
Upper Bound																
OREAS 460																
Target Range – Lower Bound																
Upper Bound																
OREAS-752																
Target Range – Lower Bound																
Upper Bound																



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**QC CERTIFICATE OF ANALYSIS AD23109432**

Sample Description	Method Analyte Units LOD	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001	ME-MS85 Sn ppm 0.5
STANDARDS						
AMIS0020						6580
Target Range – Lower Bound						6120
Upper Bound						7480
CCU-1e				3.01		
Target Range – Lower Bound				2.91		
Upper Bound				3.13		
CGL 208						17.0
Target Range – Lower Bound						4.7
Upper Bound						7.3
EMOG-17		16.0	7300	63.6		
EMOG-17		15.7	7290	63.4		
EMOG-17		16.6	7420	63.7		
EMOG-17		16.2	7440	64.4		
Target Range – Lower Bound		14.3	6800	55.6		
Upper Bound		17.7	8320	76.4		
OREAS 120						0.6
OREAS 120						0.8
Target Range – Lower Bound						<0.5
Upper Bound						2.1
OREAS 243		19.4	166	55.6		
OREAS 243		20.8	168	59.6		
OREAS 243		20.0	166	59.9		
OREAS 243		20.3	167	64.7		
Target Range – Lower Bound		18.2	142	51.4		
Upper Bound		22.4	178	70.7		
OREAS 315					5.41	
Target Range – Lower Bound					5.26	
Upper Bound					5.64	
OREAS 460						17.4
Target Range – Lower Bound						13.9
Upper Bound						18.1
OREAS-752						241
Target Range – Lower Bound						214
Upper Bound						262



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**QC CERTIFICATE OF ANALYSIS AD23109432**

Sample Description	Method Analyte Units LOD	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05
<b>BLANKS</b>																
BLANK		<0.01	<0.01	<0.2	<10	<0.05	0.01	<0.01	<0.02	<0.01	<0.1	1	<0.05	0.2	<0.01	<0.05
BLANK		<0.01	<0.01	<0.2	<10	<0.05	0.01	<0.01	<0.02	0.02	<0.1	<1	<0.05	0.2	<0.01	<0.05
BLANK		<0.01	<0.01	0.2	<10	<0.05	<0.01	<0.01	<0.02	0.01	<0.1	<1	<0.05	0.2	<0.01	<0.05
BLANK		<0.01	<0.01	<0.2	<10	<0.05	0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2	<0.01	<0.05
Target Range – Lower Bound		<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2	<0.01	<0.05
Upper Bound		0.02	0.02	0.4	20	0.10	0.02	0.02	0.04	0.02	0.2	2	0.10	0.4	0.02	0.10
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range – Lower Bound																
Upper Bound																
BLANK																
Target Range – Lower Bound																
Upper Bound																
<b>DUPLICATES</b>																
ORIGINAL		0.19	7.43	1.5	1020	2.00	0.07	3.35	0.06	18.35	23.1	154	1.89	438	5.10	14.95
DUP		0.18	7.44	1.8	1020	2.01	0.08	3.37	0.07	17.55	22.6	153	1.84	447	5.14	14.65
Target Range – Lower Bound		0.17	7.05	1.4	930	1.85	0.06	3.18	0.04	17.05	21.6	145	1.72	427	4.85	14.00
Upper Bound		0.20	7.82	1.9	1110	2.16	0.09	3.54	0.09	18.85	24.1	162	2.01	458	5.39	15.60
ORIGINAL		0.22	7.53	3.5	1070	1.85	0.07	3.02	0.05	16.15	26.1	201	1.78	504	5.36	14.30
DUP		0.21	7.45	3.3	1050	1.83	0.07	2.98	0.05	15.40	26.5	200	1.75	488	5.29	14.25
Target Range – Lower Bound		0.19	7.11	3.0	970	1.70	0.06	2.84	0.03	15.00	24.9	189	1.63	478	5.05	13.50
Upper Bound		0.24	7.87	3.8	1150	1.98	0.08	3.16	0.07	16.55	27.7	212	1.90	514	5.60	15.05
SZCOMP009																
DUP																
Target Range – Lower Bound																
Upper Bound																



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**QC CERTIFICATE OF ANALYSIS AD23109432**

Sample Description	Method Analyte Units LOD	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
		Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
BLANKS															
BLANK		<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	0.3	<10	<0.5
BLANK		<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5
BLANK		<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5
BLANK		<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5
Target Range – Lower Bound		<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5
Upper Bound		0.10	0.2	0.010	0.02	1.0	0.4	0.02	10	0.10	0.02	0.2	0.4	20	1.0
BLANK															
BLANK															
BLANK															
BLANK															
BLANK															
Target Range – Lower Bound															
Upper Bound															
BLANK															
Target Range – Lower Bound															
Upper Bound															
DUPLICATES															
ORIGINAL		0.10	1.2	0.080	4.47	8.5	27.3	3.04	651	1.46	2.30	6.1	93.1	1690	9.6
DUP		0.10	1.3	0.078	4.40	8.4	27.4	3.04	654	1.42	2.29	6.1	91.2	1700	9.7
Target Range – Lower Bound		<0.05	1.1	0.070	4.20	7.5	25.8	2.88	615	1.32	2.17	5.7	87.3	1600	8.7
Upper Bound		0.16	1.4	0.088	4.67	9.4	28.9	3.20	690	1.56	2.42	6.5	97.0	1790	10.6
ORIGINAL		0.10	1.5	0.049	4.61	7.0	21.8	3.55	779	1.13	2.59	5.3	119.0	1530	5.2
DUP		0.11	1.1	0.045	4.51	6.8	21.7	3.50	768	1.08	2.56	5.3	118.0	1500	4.8
Target Range – Lower Bound		<0.05	1.1	0.040	4.32	6.1	20.5	3.34	730	1.00	2.44	4.9	112.5	1430	4.3
Upper Bound		0.16	1.5	0.054	4.80	7.7	23.0	3.71	817	1.21	2.71	5.7	124.5	1600	5.8
SZCOMP009															
DUP															
Target Range – Lower Bound															
Upper Bound															



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Sample Description	Method Analyte Units LOD	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
<b>BLANKS</b>																
BLANK		<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1	<0.1
BLANK		<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1	<0.1
BLANK		<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1	<0.1
BLANK		<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1	<0.1
Target Range – Lower Bound		<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1	<0.1
Upper Bound		0.004	0.02	0.10	0.2	2	0.4	0.4	0.10	0.10	0.02	0.010	0.04	0.2	2	0.2
BLANK																
BLANK																
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BLANK																
BLANK																
Target Range – Lower Bound																
Upper Bound																
BLANK																
Target Range – Lower Bound																
Upper Bound																
<b>DUPLICATES</b>																
ORIGINAL		0.004	0.02	0.94	18.3	<1	1.5	352	0.31	0.16	1.68	0.372	0.22	0.5	217	0.6
DUP		0.004	0.02	0.96	18.0	<1	1.5	350	0.31	0.15	1.72	0.375	0.22	0.5	218	0.6
Target Range – Lower Bound		<0.002	<0.01	0.83	17.1	<1	1.2	333	0.24	0.10	1.61	0.350	0.18	0.4	206	0.5
Upper Bound		0.006	0.03	1.07	19.2	2	1.8	369	0.38	0.21	1.80	0.397	0.26	0.6	229	0.7
ORIGINAL		0.004	0.02	1.02	18.6	<1	0.8	376	0.29	<0.05	1.60	0.355	0.19	0.5	208	0.5
DUP		0.004	0.02	0.94	18.9	1	0.8	370	0.29	<0.05	1.62	0.355	0.21	0.5	207	0.5
Target Range – Lower Bound		<0.002	<0.01	0.86	17.7	<1	0.6	354	0.23	<0.05	1.52	0.332	0.17	0.4	196	0.4
Upper Bound		0.006	0.03	1.10	19.8	2	1.0	392	0.35	0.10	1.70	0.378	0.24	0.6	219	0.6
SZCOMP009																
DUP																
Target Range – Lower Bound																
Upper Bound																





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**QC CERTIFICATE OF ANALYSIS AD23109432**

Sample Description	Method Analyte Units LOD	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001	ME-MS85 Sn ppm 0.5
BLANKS						
BLANK		<0.1	<2	<0.5		
BLANK		<0.1	<2	<0.5		
BLANK		<0.1	<2	<0.5		
BLANK		<0.1	<2	<0.5		
Target Range – Lower Bound		<0.1	<2	<0.5		
Upper Bound		0.2	4	1.0		
BLANK						<0.5
BLANK						<0.5
BLANK						<0.5
BLANK						<0.5
BLANK						<0.5
Target Range – Lower Bound						<0.5
Upper Bound						1.0
BLANK				<0.001		
Target Range – Lower Bound				<0.001		
Upper Bound				0.002		
DUPLICATES						
ORIGINAL		15.5	42	40.3		
DUP		15.4	42	41.6		
Target Range – Lower Bound		14.6	38	37.4		
Upper Bound		16.3	46	44.5		
ORIGINAL		13.1	48	44.1		
DUP		13.2	46	44.0		
Target Range – Lower Bound		12.4	43	40.2		
Upper Bound		13.9	51	47.9		
SZCOMP009						78.0
DUP						87.2
Target Range – Lower Bound						78.0
Upper Bound						87.2



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**QC CERTIFICATE OF ANALYSIS AD23109432**

Sample Description	Method Analyte Units LOD	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05
SZ003136 DUP Target Range – Lower Bound Upper Bound		DUPLICATES														
SZCOMP024 DUP Target Range – Lower Bound Upper Bound																
SZCOMP027 DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound		0.03 0.04 0.02 0.05	9.54 9.53 9.05 10.00	4.5 4.0 3.8 4.7	750 740 680 810	3.25 3.24 3.03 3.46	0.62 0.64 0.59 0.67	0.16 0.16 0.14 0.18	0.03 0.05 <0.02 0.06	108.0 108.0 102.5 113.5	21.2 21.7 20.3 22.6	77 78 73 82	12.15 12.30 11.55 12.90	36.8 37.6 35.7 38.7	4.28 4.26 4.05 4.49	24.7 25.2 23.7 26.2



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**QC CERTIFICATE OF ANALYSIS AD23109432**

Sample Description	Method Analyte Units LOD	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1
SZ003136 DUP Target Range – Lower Bound Upper Bound		DUPLICATES														
SZCOMP024 DUP Target Range – Lower Bound Upper Bound																
SZCOMP027 DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound		0.16 0.17 0.10 0.23	3.3 3.1 2.9 3.5	0.090 0.096 0.083 0.103	3.56 3.55 3.37 3.74	56.1 55.5 52.5 59.1	34.0 34.1 32.1 36.0	1.37 1.36 1.29 1.44	583 572 544 611	0.27 0.33 0.24 0.37	0.06 0.06 0.05 0.07	14.1 14.2 13.3 15.0	46.4 48.7 45.0 50.1	890 880 830 940	36.4 39.2 35.4 40.2	237 241 227 251



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**QC CERTIFICATE OF ANALYSIS AD23109432**

Sample Description	Method Analyte Units LOD	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
SZ003136 DUP Target Range – Lower Bound Upper Bound		DUPLICATES														
SZCOMP024 DUP Target Range – Lower Bound Upper Bound																
SZCOMP027 DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound		<0.002 <0.002 <0.002 0.004	<0.01 <0.01 <0.01 0.02	1.37 1.43 1.25 1.56	16.2 16.5 15.4 17.3	<1 <1 <1 2	4.7 4.7 4.3 5.1	142.5 138.0 133.0 147.5	1.14 1.19 1.06 1.27	<0.05 <0.05 <0.05 0.10	19.00 19.65 18.35 20.3	0.406 0.406 0.381 0.431	1.11 1.14 1.02 1.23	3.4 3.6 3.2 3.8	112 111 105 118	2.9 3.0 2.6 3.3



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**QC CERTIFICATE OF ANALYSIS AD23109432**

Sample Description	Method Analyte Units LOD	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001	ME-MS85 Sn ppm 0.5
SZ003136 DUP Target Range – Lower Bound Upper Bound					1.570 1.575 1.530 1.615	
SZCOMP024 DUP Target Range – Lower Bound Upper Bound					32.5 31.8 30.0 34.3	
SZCOMP027 DUP Target Range – Lower Bound Upper Bound					26.5 25.9 24.4 28.0	
ORIGINAL DUP Target Range – Lower Bound Upper Bound		30.2 31.1 29.0 32.3	167 150 149 168	132.5 107.5 110.5 129.5		



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**QC CERTIFICATE OF ANALYSIS AD23109432**

	CERTIFICATE COMMENTS
	<b>ANALYTICAL COMMENTS</b>
Applies to Method:	NSS is non-sufficient sample. ALL METHODS
Applies to Method:	REEs may not be totally soluble in this method. ME-MS61
	<b>LABORATORY ADDRESSES</b>
Applies to Method:	Processed at ALS Adelaide located at Unit 1, 1 Burma Road, Pooraka, Adelaide, SA, Australia. HOM-01
Applies to Method:	Processed at ALS Brisbane located at 32 Shand Street, Stafford, Brisbane, QLD, Australia. Processed at ALS Brisbane Sample Preparation at 23 Pineapple Street, Zillmere, QLD, 4034, Australia ME-MS85
Applies to Method:	Processed at ALS Geochemistry located at 50 Baile Road, Canning Vale, Western Australia, Australia ME-MS61 ME-OG62 Zn-OG62