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32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
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ALS Perth is a NATA Accredited Testing Laboratory. Corporate Accreditation
No: 825, Corporate Site No: 23001.

To: FORTESCUE METALS GROUP LTD
PO BOX 910
WEST PERTH WA 6872

Page: 1
Total # Pages: 3 (A - D)
Plus Appendix Pages
Finalized Date: 12-APR-2024
Account: FORMET

QC CERTIFICATE PH24081422

Project: SS000325
P.O. No.: 4501589913
This report is for 104 samples of RC Drill Chip submitted to our lab in Perth, WA, Australia on 27-MAR-2024.
The following have access to data associated with this certificate:

GREG AMALRIC KAITLIN CATALANO KIT LAI ASHLEIGH SMYTH	JACQUES BATUMIKEMWANDULO MIGUEL CORTES RUAIRIDH MITCHELL KURT STEFFENS	KARL BOOTH PERTH DATA CRAIG PEREIRA
---------------------------------------------------------------	---------------------------------------------------------------------------------	-------------------------------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
LEV-01	Waste Disposal Levy
LOG-20	Sample login - Additional Analysis
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61L	Super Trace Lowest DL 4A by 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:

Cameron Brosnan, Laboratory Manager, Perth



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Page: 2 - A
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
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QC CERTIFICATE OF ANALYSIS PH24081422

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

Sample Description	Method Analyte Units LOD	ME-MS61L														
		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
		0.002	0.01	0.02	1	0.02	0.002	0.01	0.005	0.01	0.005	0.3	0.01	0.02	0.002	0.05
STANDARDS																
EMOG-17		66.3	4.56	563	169	1.74	5.47	1.90	20.0	46.2	732	50.9	7.02	8000	4.67	11.25
EMOG-17		66.8	4.63	580	180	1.80	5.83	1.92	21.4	47.4	759	54.8	7.82	8280	4.91	12.50
EMOG-17		70.3	4.86	596	320	1.90	6.09	2.05	20.7	47.9	782	52.8	7.36	8680	5.10	12.40
Target Range - Lower Bound		60.9	4.18	522	319	1.63	5.32	1.72	18.20	42.9	686	49.2	6.60	7750	4.43	10.75
Upper Bound		74.5	5.13	638	435	2.03	6.50	2.12	22.2	52.5	838	60.8	8.08	8910	5.41	13.25
MRCA-21		8.28	7.49	18.85	1220	2.56	2.85	1.79	2.30	103.5	30.6	44.5	11.80	892	3.25	21.4
MRCA-21		8.46	7.87	19.30	1300	2.81	1.570	1.83	2.35	113.0	31.4	47.1	12.55	951	3.51	21.9
Target Range - Lower Bound		7.58	6.83	17.35	1055	2.54	1.400	1.58	2.00	92.7	28.1	38.9	10.80	877	3.06	18.75
Upper Bound		9.26	8.37	21.3	1435	3.14	1.720	1.96	2.46	113.5	34.3	48.3	13.20	1010	3.74	23.0
OREAS 20a		0.062	7.73	16.15	1060	3.31	0.210	2.54	0.072	72.4	13.20	66.0	14.80	45.6	3.50	18.25
OREAS 20a		0.058	7.62	16.65	1050	3.36	0.226	2.49	0.085	80.3	12.85	63.2	15.60	43.8	3.52	17.75
Target Range - Lower Bound		0.053	6.94	15.30	909	3.27	0.124	2.26	0.072	69.3	12.05	58.2	13.65	42.2	3.24	17.60
Upper Bound		0.069	8.50	18.70	1230	4.04	0.156	2.78	0.100	84.7	14.75	71.8	16.75	48.6	3.96	21.6
OREAS 243		3.30	6.84	92.3	275	0.55	0.085	6.07	0.843	15.75	43.0	91.8	1.33	185.0	8.03	16.30
OREAS 243		3.03	6.41	86.3	264	0.53	0.103	5.61	0.801	14.85	40.0	84.1	1.28	174.0	7.72	15.50
OREAS 243		2.86	6.45	85.3	253	0.49	0.073	5.76	0.747	13.70	38.5	82.1	1.21	175.5	7.62	14.95
Target Range - Lower Bound		2.73	5.73	76.5	213	0.41	0.067	5.02	0.706	13.40	35.4	76.2	1.13	161.0	6.79	13.80
Upper Bound		3.35	7.03	93.5	291	0.55	0.087	6.16	0.874	16.40	43.2	93.8	1.41	185.0	8.31	17.00
OREAS 610		46.9	5.77	2820	740	1.43	222	0.25	11.65	45.5	7.78	38.1	2.06	9260	2.30	23.3
Target Range - Lower Bound		44.5	5.38	2550	76	1.31	202	0.21	10.90	42.0	6.94	34.9	1.93	9030	2.13	21.9
Upper Bound		54.3	6.60	3120	105	1.65	246	0.28	13.30	51.4	8.50	43.3	2.39	>10000	2.61	26.9
BLANKS																
BLANK		0.004	<0.01	0.10	<1	<0.02	<0.002	<0.01	<0.005	<0.01	<0.005	<0.3	<0.01	0.08	<0.002	0.14
BLANK		0.002	<0.01	0.02	<1	<0.02	0.004	<0.01	<0.005	<0.01	0.017	<0.3	<0.01	0.19	<0.002	0.10
BLANK		<0.002	<0.01	<0.02	<1	<0.02	<0.002	<0.01	<0.005	0.01	<0.005	<0.3	<0.01	<0.02	<0.002	<0.05
BLANK		0.004	<0.01	<0.02	<1	<0.02	<0.002	<0.01	<0.005	<0.01	<0.005	<0.3	<0.01	0.03	<0.002	0.09
BLANK		<0.002	<0.01	<0.02	<1	<0.02	<0.002	<0.01	<0.005	<0.01	<0.005	<0.3	<0.01	0.06	<0.002	0.06
Target Range - Lower Bound		<0.002	<0.01	<0.02	<1	<0.02	<0.002	<0.01	<0.005	<0.01	<0.005	<0.3	<0.01	<0.02	<0.002	<0.05
Upper Bound		0.004	0.02	0.04	2	0.04	0.004	0.02	0.010	0.02	0.010	0.6	0.02	0.04	0.004	0.10



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Page: 2 - B
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QC CERTIFICATE OF ANALYSIS PH24081422

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

Sample Description	Method Analyte Units LOD	ME-MS61L														
		Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb
		ppm	ppm	ppm	%	ppm	ppm									
		0.05	0.004	0.005	0.01	0.005	0.2	0.01	0.2	0.02	0.001	0.005	0.08	0.001	0.01	0.02
STANDARDS																
EMOG-17		0.25	1.750	0.880	1.62	21.3	26.1	0.93	713	1080	1.065	13.50	7370	0.079	7200	108.5
EMOG-17		0.21	2.00	0.926	1.69	23.0	28.0	0.98	746	1110	1.120	14.75	7490	0.079	7090	117.5
EMOG-17		0.24	1.925	0.893	1.74	23.0	28.7	1.00	759	1120	1.150	14.45	7760	0.082	7610	110.0
Target Range - Lower Bound		0.06	1.735	0.823	1.49	21.1	23.9	0.86	675	997	0.998	12.80	6820	0.070	6570	99.0
Upper Bound		0.30	2.13	1.015	1.85	25.9	29.7	1.08	825	1220	1.220	15.65	8330	0.088	8030	121.0
MRCA-21		0.20	1.815	0.119	2.79	56.5	58.1	0.71	7870	25.0	1.925	14.75	913	0.084	903	167.5
MRCA-21		0.18	2.00	0.110	3.01	58.8	63.0	0.77	8670	27.1	2.06	15.30	955	0.089	922	182.0
Target Range - Lower Bound		0.07	1.650	0.103	2.58	49.5	54.7	0.65	7330	22.6	1.800	12.95	849	0.077	816	155.0
Upper Bound		0.31	2.03	0.137	3.18	60.5	67.3	0.82	8970	27.6	2.20	15.85	1035	0.097	998	189.0
OREAS 20a		0.12	2.74	0.047	3.23	32.9	36.9	1.33	509	3.27	1.930	19.80	38.4	0.099	20.6	202
OREAS 20a		0.15	3.08	0.057	3.25	36.2	37.8	1.34	509	3.12	1.945	20.5	38.7	0.096	21.8	219
Target Range - Lower Bound		<0.05	2.60	0.038	2.93	32.8	34.5	1.21	468	2.91	1.780	18.35	35.0	0.090	19.70	196.0
Upper Bound		0.29	3.18	0.063	3.61	40.2	42.6	1.51	572	3.60	2.18	22.4	43.0	0.112	24.1	240
OREAS 243		0.12	1.935	0.083	0.65	6.83	13.2	3.39	1300	2.05	2.08	3.98	71.5	0.048	40.0	19.50
OREAS 243		0.13	1.855	0.082	0.65	6.62	13.7	3.22	1255	1.99	2.05	3.79	66.9	0.045	39.0	18.85
OREAS 243		0.12	1.880	0.077	0.64	6.03	13.4	3.19	1220	1.80	2.03	3.61	63.7	0.044	36.9	18.05
Target Range - Lower Bound		<0.05	1.660	0.066	0.57	5.71	11.8	2.86	1135	1.72	1.835	3.33	58.4	0.039	34.5	16.10
Upper Bound		0.21	2.04	0.094	0.72	6.99	14.8	3.52	1385	2.14	2.25	4.08	71.6	0.049	42.1	19.70
OREAS 610		0.18	1.855	3.62	1.90	20.2	28.3	0.15	73.2	4.72	0.780	8.09	24.3	0.051	665	62.7
Target Range - Lower Bound		<0.05	1.805	3.51	1.77	18.35	25.4	0.13	70.0	4.32	0.737	7.44	22.1	0.049	596	58.5
Upper Bound		0.28	2.22	4.30	2.19	22.4	31.4	0.18	86.0	5.32	0.903	9.10	27.1	0.062	728	71.5
BLANKS																
BLANK		<0.05	<0.004	<0.005	<0.01	<0.005	0.6	<0.01	0.3	<0.02	<0.001	<0.005	<0.08	<0.001	0.04	0.03
BLANK		<0.05	<0.004	<0.005	<0.01	<0.005	<0.2	<0.01	0.2	0.02	<0.001	<0.005	0.18	<0.001	0.19	0.03
BLANK		<0.05	<0.004	<0.005	<0.01	<0.005	<0.2	<0.01	0.4	<0.02	<0.001	<0.005	<0.08	<0.001	0.03	0.03
BLANK		<0.05	<0.004	<0.005	<0.01	<0.005	<0.2	<0.01	<0.2	<0.02	0.016	<0.005	<0.08	<0.001	<0.01	0.02
BLANK		<0.05	<0.004	<0.005	<0.01	<0.005	<0.2	<0.01	<0.2	<0.02	0.001	0.006	<0.08	<0.001	0.06	0.20
Target Range - Lower Bound		<0.05	<0.004	<0.005	<0.01	<0.005	<0.2	<0.01	<0.2	<0.02	<0.001	<0.005	<0.08	<0.001	<0.01	<0.02
Upper Bound		0.10	0.008	0.010	0.02	0.010	0.4	0.02	0.4	0.04	0.002	0.010	0.16	0.002	0.02	0.04



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Page: 2 - C
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
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 Account: FORMET

Project: SS000325

QC CERTIFICATE OF ANALYSIS PH24081422

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

Sample Description	Method Analyte Units LOD	ME-MS61L														
		Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
		ppm	%	ppm	%	ppm	ppm	ppm	ppm							
		0.0004	0.01	0.02	0.01	0.006	0.02	0.02	0.01	0.005	0.004	0.001	0.002	0.01	0.1	0.008
STANDARDS																
EMOG-17		0.300	3.15	766	7.07	5.82	2.46	196.5	0.87	1.260	10.40	0.309	2.12	3.05	72.3	3.66
EMOG-17		0.324	3.21	778	8.33	6.11	2.88	199.0	0.93	1.230	10.85	0.327	2.19	3.05	76.8	3.97
EMOG-17		0.304	3.37	789	8.33	6.21	2.93	209	0.92	1.255	10.65	0.333	2.22	3.16	74.7	3.70
Target Range - Lower Bound		0.288	2.91	643	7.26	5.64	2.41	184.5	0.83	1.145	10.35	0.289	1.910	2.92	67.4	3.39
Upper Bound		0.352	3.57	869	8.90	6.90	2.99	226	1.03	1.415	12.65	0.355	2.59	3.59	82.6	4.61
MRCA-21		0.0125	0.43	23.7	9.38	1.015	4.84	173.0	1.11	0.181	15.70	0.363	1.150	4.02	69.2	16.25
MRCA-21		0.0132	0.45	29.0	9.47	1.045	5.34	178.0	1.18	0.131	15.70	0.372	1.190	4.35	68.1	12.65
Target Range - Lower Bound		0.0113	0.38	22.8	8.07	0.903	4.49	156.5	1.02	0.103	13.95	0.332	0.993	3.81	57.5	9.43
Upper Bound		0.0147	0.49	31.0	9.89	1.115	5.53	191.5	1.26	0.137	17.05	0.408	1.350	4.67	70.5	12.75
OREAS 20a		0.0009	0.06	0.49	11.80	0.136	3.99	291	1.53	0.009	19.90	0.476	1.070	5.86	111.5	3.64
OREAS 20a		0.0008	0.07	0.60	11.70	0.136	4.01	284	1.56	0.008	20.8	0.470	1.085	5.85	108.0	3.68
Target Range - Lower Bound		<0.0004	0.04	0.46	11.05	0.102	3.61	266	1.39	<0.005	19.70	0.439	0.959	5.72	98.9	2.87
Upper Bound		0.0016	0.09	0.68	13.55	0.138	4.45	326	1.73	0.021	24.1	0.539	1.300	7.02	121.0	3.90
OREAS 243		0.0026	0.55	2.47	39.4	0.593	1.38	107.5	0.28	0.139	1.485	0.631	0.346	0.45	263	40.7
OREAS 243		0.0029	0.54	2.36	36.6	0.572	1.28	100.5	0.26	0.126	1.340	0.607	0.328	0.40	260	37.5
OREAS 243		0.0026	0.53	2.07	36.9	0.562	1.16	97.7	0.25	0.118	1.265	0.602	0.316	0.39	252	36.1
Target Range - Lower Bound		0.0021	0.46	1.88	32.3	0.513	1.11	88.2	0.22	0.112	1.245	0.539	0.270	0.37	232	32.0
Upper Bound		0.0040	0.59	2.60	39.5	0.641	1.40	108.0	0.30	0.148	1.535	0.661	0.370	0.47	284	43.4
OREAS 610		0.0009	3.96	293	2.98	29.5	27.0	307	0.63	41.4	8.07	0.163	1.735	2.50	29.7	7.17
Target Range - Lower Bound		<0.0004	3.65	254	2.74	26.2	24.4	275	0.60	37.4	8.05	0.149	1.560	2.36	27.4	6.43
Upper Bound		0.0017	4.49	344	3.38	32.0	29.8	337	0.76	45.8	9.85	0.185	2.12	2.90	33.7	8.71
BLANKS																
BLANK		<0.0004	<0.01	<0.02	0.01	0.007	0.03	<0.02	<0.01	<0.005	<0.004	<0.001	<0.002	<0.01	1.0	<0.008
BLANK		<0.0004	<0.01	0.02	0.01	<0.006	0.03	0.02	<0.01	<0.005	<0.004	<0.001	<0.002	<0.01	0.9	<0.008
BLANK		0.0022	<0.01	<0.02	<0.01	<0.006	0.03	<0.02	<0.01	<0.005	<0.004	<0.001	<0.002	<0.01	<0.1	<0.008
BLANK		<0.0004	0.01	<0.02	<0.01	<0.006	0.02	0.02	<0.01	<0.005	<0.004	<0.001	0.006	<0.01	0.2	<0.008
BLANK		<0.0004	0.01	<0.02	<0.01	<0.006	0.02	<0.02	<0.01	<0.005	<0.004	<0.001	0.002	<0.01	0.2	<0.008
Target Range - Lower Bound		<0.0004	<0.01	<0.02	<0.01	<0.006	<0.02	<0.02	<0.01	<0.005	<0.004	<0.001	<0.002	<0.01	<0.1	<0.008
Upper Bound		0.0008	0.02	0.04	0.02	0.012	0.04	0.04	0.02	0.010	0.008	0.002	0.004	0.02	0.2	0.016



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Sample Description	Method Analyte Units LOD	ME-MS61L Y ppm 0.01	ME-MS61L Zn ppm 0.2	ME-MS61L Zr ppm 0.1
STANDARDS				
EMOG-17		14.45	7170	60.8
EMOG-17		17.05	7630	67.0
EMOG-17		16.35	7790	65.1
Target Range - Lower Bound		14.40	6800	56.0
Upper Bound		17.60	8320	76.0
MRCA-21		17.30	800	58.6
MRCA-21		18.60	832	59.6
Target Range - Lower Bound		15.65	741	50.9
Upper Bound		19.15	907	69.1
OREAS 20a		25.8	68.5	89.4
OREAS 20a		27.9	68.9	91.6
Target Range - Lower Bound		24.1	61.9	75.6
Upper Bound		29.5	76.1	102.5
OREAS 243		21.9	172.0	64.7
OREAS 243		21.3	165.0	61.6
OREAS 243		20.4	163.5	62.4
Target Range - Lower Bound		18.25	144.0	51.8
Upper Bound		22.3	176.0	70.3
OREAS 610		6.64	1695	56.2
Target Range - Lower Bound		5.92	1580	51.8
Upper Bound		7.26	1930	70.3
BLANKS				
BLANK		<0.01	<0.2	<0.1
BLANK		<0.01	0.2	<0.1
BLANK		<0.01	<0.2	<0.1
BLANK		<0.01	<0.2	<0.1
BLANK		<0.01	<0.2	<0.1
Target Range - Lower Bound		<0.01	<0.2	<0.1
Upper Bound		0.02	0.4	0.2



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Sample Description	Method Analyte Units LOD	ME-MS61L														
		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
		0.002	0.01	0.02	1	0.02	0.002	0.01	0.005	0.01	0.005	0.3	0.01	0.02	0.002	0.05
DUPLICATES																
GD030056		0.392	6.36	1.60	324	4.58	1.490	0.09	0.083	127.5	0.920	13.2	1.91	10.55	0.550	21.0
DUP		0.386	5.99	1.52	308	4.49	1.495	0.09	0.083	125.0	0.941	13.9	1.83	10.35	0.530	20.6
Target Range - Lower Bound		0.368	5.86	1.46	291	4.29	1.415	0.08	0.074	120.0	0.879	12.6	1.77	10.05	0.511	19.70
Upper Bound		0.410	6.49	1.66	341	4.78	1.570	0.10	0.092	132.5	0.982	14.5	1.97	10.85	0.569	21.9
GD034023		0.079	10.25	9.35	204	1.20	0.205	0.10	0.016	26.5	42.7	423	3.56	351	14.40	25.1
DUP		0.071	10.10	9.16	204	1.19	0.198	0.10	<0.005	26.4	42.9	413	3.58	346	14.25	25.2
Target Range - Lower Bound		0.069	9.66	8.77	188	1.12	0.189	0.09	<0.005	25.1	40.7	397	3.38	336	13.60	23.8
Upper Bound		0.081	10.70	9.74	220	1.27	0.214	0.12	0.016	27.8	44.9	439	3.76	361	15.05	26.5
GD034105		0.016	7.50	0.51	339	4.07	0.462	0.25	<0.005	66.7	1.280	3.9	19.95	1.42	0.900	19.65
DUP		0.021	7.47	0.54	342	4.05	0.469	0.25	<0.005	68.1	1.070	4.4	20.9	1.12	0.910	21.1
Target Range - Lower Bound		0.016	7.10	0.48	314	3.84	0.440	0.23	<0.005	64.0	1.110	3.6	19.40	1.21	0.858	19.30
Upper Bound		0.021	7.87	0.57	367	4.28	0.491	0.27	0.010	70.8	1.240	4.7	21.5	1.33	0.952	21.4
GD034142		0.093	10.45	10.30	222	1.21	0.210	0.10	<0.005	32.0	46.9	435	3.95	365	15.05	28.2
DUP		0.084	10.25	9.46	209	1.19	0.208	0.10	<0.005	28.1	44.9	427	3.77	357	14.70	27.1
Target Range - Lower Bound		0.082	9.82	9.37	198	1.12	0.197	0.09	<0.005	28.5	43.6	409	3.66	348	14.15	26.2
Upper Bound		0.095	10.90	10.40	233	1.28	0.221	0.12	0.010	31.6	48.2	453	4.06	374	15.60	29.1
ORIGINAL		0.002	6.75	0.27	9	3.03	3.18	0.21	0.023	15.00	1.275	5.0	11.60	3.11	0.490	27.5
DUP		0.016	6.91	0.41	9	3.07	3.21	0.21	0.025	14.70	1.220	5.8	11.40	2.94	0.500	29.0
Target Range - Lower Bound		0.007	6.48	0.30	7	2.88	3.03	0.19	0.018	14.10	1.180	4.8	10.90	2.90	0.468	26.8
Upper Bound		0.011	7.18	0.38	11	3.22	3.36	0.23	0.030	15.60	1.315	6.0	12.10	3.15	0.522	29.7



Australian Laboratory Services Pty. Ltd.
 32 Shand Street
 Stafford
 Brisbane QLD 4053
 Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
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Page: 3 - B
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 12-APR-2024
 Account: FORMET

Project: SS000325

QC CERTIFICATE OF ANALYSIS PH24081422

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

Sample Description	Method Analyte Units LOD	ME-MS61L														
		Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm
		0.05	0.004	0.005	0.01	0.005	0.2	0.01	0.2	0.02	0.001	0.005	0.08	0.001	0.01	0.02
DUPLICATES																
GD030056		0.07	5.51	0.058	3.76	19.00	4.6	0.02	226	5.82	2.57	19.80	0.82	0.002	54.1	289
DUP		0.08	5.26	0.051	3.58	18.75	4.3	0.02	214	5.75	2.43	19.25	0.69	0.002	52.9	275
Target Range - Lower Bound		<0.05	5.11	0.047	3.48	17.95	4.0	<0.01	209	5.48	2.37	18.55	0.64	<0.001	50.8	268
Upper Bound		0.10	5.66	0.062	3.86	19.80	4.9	0.03	231	6.09	2.63	20.5	0.87	0.003	56.2	296
GD034023		0.87	4.32	0.089	0.23	14.45	19.8	0.22	222	2.23	0.067	21.4	259	0.029	14.00	30.1
DUP		0.87	4.30	0.090	0.22	14.40	19.4	0.22	217	2.04	0.065	21.6	253	0.029	13.55	30.8
Target Range - Lower Bound		0.75	4.09	0.080	0.20	13.70	18.4	0.20	208	2.01	0.062	20.4	243	0.027	13.10	28.9
Upper Bound		0.99	4.53	0.099	0.25	15.15	20.8	0.24	231	2.26	0.070	22.6	269	0.031	14.45	32.0
GD034105		<0.05	3.20	0.070	4.58	30.3	33.5	0.10	114.0	0.42	1.865	16.45	1.26	0.088	39.1	340
DUP		0.10	3.21	0.075	4.57	30.9	34.1	0.10	116.5	0.46	1.875	17.35	1.18	0.089	41.0	360
Target Range - Lower Bound		<0.05	3.04	0.064	4.34	29.1	31.9	0.09	109.5	0.40	1.775	16.05	1.08	0.083	38.0	332
Upper Bound		0.10	3.37	0.081	4.81	32.1	35.7	0.12	121.0	0.48	1.965	17.75	1.36	0.094	42.1	368
GD034142		0.71	5.11	0.119	0.23	17.05	21.7	0.23	227	2.34	0.068	23.8	261	0.029	14.50	33.9
DUP		0.64	4.82	0.105	0.23	15.65	21.1	0.23	225	2.19	0.067	22.4	258	0.029	13.85	31.7
Target Range - Lower Bound		0.57	4.71	0.101	0.21	15.55	20.1	0.21	215	2.13	0.063	21.9	246	0.027	13.45	31.1
Upper Bound		0.78	5.22	0.123	0.25	17.15	22.7	0.25	238	2.40	0.072	24.3	273	0.031	14.90	34.5
ORIGINAL		0.05	1.340	0.009	2.96	6.10	14.8	0.02	290	0.49	3.99	49.8	10.15	0.008	18.00	765
DUP		0.07	1.380	0.006	2.99	5.92	15.2	0.02	298	0.49	4.04	50.0	10.10	0.009	17.65	740
Target Range - Lower Bound		<0.05	1.290	<0.005	2.82	5.70	14.1	<0.01	279	0.45	3.81	47.4	9.54	0.007	16.90	715
Upper Bound		0.10	1.430	0.010	3.13	6.32	16.0	0.03	309	0.53	4.22	52.4	10.70	0.010	18.75	790



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 32 Shand Street
 Stafford
 Brisbane QLD 4053
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Page: 3 - C
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 12-APR-2024
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QC CERTIFICATE OF ANALYSIS PH24081422

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

Sample Description	Method Analyte Units LOD	ME-MS61L														
		Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
		0.0004	0.01	0.02	0.01	0.006	0.02	0.02	0.01	0.005	0.004	0.001	0.002	0.01	0.1	0.008
DUPLICATES																
GD030056		0.0005	<0.01	0.38	1.76	0.029	5.55	16.15	2.44	0.006	32.7	0.029	1.695	7.88	2.3	1.685
DUP		<0.0004	<0.01	0.37	1.76	0.035	5.35	15.75	2.33	0.006	31.6	0.028	1.640	7.71	2.2	1.675
Target Range - Lower Bound		<0.0004	<0.01	0.33	1.66	0.024	5.16	15.15	2.26	<0.005	30.5	0.026	1.540	7.40	2.0	1.545
Upper Bound		0.0008	0.02	0.42	1.86	0.040	5.74	16.75	2.51	0.010	33.8	0.031	1.795	8.19	2.5	1.815
GD034023		<0.0004	0.03	0.63	36.0	2.12	2.53	23.5	1.43	0.065	9.39	1.070	0.193	2.06	247	1.215
DUP		<0.0004	0.03	0.55	36.3	2.06	2.79	23.8	1.39	0.069	9.42	1.065	0.195	2.04	246	1.200
Target Range - Lower Bound		<0.0004	0.02	0.53	34.3	1.980	2.51	22.4	1.33	0.059	8.93	1.015	0.177	1.94	234	1.110
Upper Bound		0.0008	0.04	0.65	38.0	2.20	2.81	24.9	1.49	0.075	9.88	1.120	0.211	2.16	259	1.305
GD034105		0.0005	0.01	0.04	2.69	0.033	17.30	77.5	2.26	<0.005	14.00	0.102	2.09	7.86	5.5	3.17
DUP		<0.0004	0.01	0.04	2.89	0.029	17.95	81.1	2.35	<0.005	14.00	0.111	2.12	7.96	6.2	3.18
Target Range - Lower Bound		<0.0004	<0.01	<0.02	2.64	0.023	16.70	75.3	2.18	<0.005	13.30	0.100	1.945	7.50	5.5	2.93
Upper Bound		0.0008	0.02	0.06	2.94	0.039	18.55	83.3	2.43	0.010	14.70	0.113	2.26	8.32	6.2	3.42
GD034142		<0.0004	0.03	0.59	38.8	2.19	2.96	27.0	1.55	0.065	10.10	1.105	0.204	2.07	260	1.240
DUP		<0.0004	0.03	0.59	37.6	2.14	2.70	24.9	1.48	0.071	9.49	1.085	0.201	1.94	256	1.235
Target Range - Lower Bound		<0.0004	0.02	0.53	36.3	2.05	2.67	24.6	1.43	0.060	9.30	1.040	0.185	1.89	245	1.135
Upper Bound		0.0008	0.04	0.65	40.1	2.28	2.99	27.3	1.60	0.076	10.30	1.150	0.220	2.12	271	1.340
ORIGINAL		<0.0004	<0.01	<0.02	1.71	0.012	4.07	3.09	8.26	0.099	3.79	0.004	4.10	1.33	3.5	0.323
DUP		<0.0004	0.01	<0.02	1.80	0.006	4.19	3.13	8.59	0.104	3.77	0.003	4.08	1.35	3.4	0.354
Target Range - Lower Bound		<0.0004	<0.01	<0.02	1.66	<0.006	3.90	2.93	7.99	0.091	3.59	0.002	3.78	1.26	3.2	0.305
Upper Bound		0.0008	0.02	0.04	1.85	0.012	4.36	3.29	8.86	0.112	3.97	0.005	4.40	1.42	3.7	0.372



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 32 Shand Street
 Stafford
 Brisbane QLD 4053
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Page: 3 - D
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QC CERTIFICATE OF ANALYSIS PH24081422

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Sample Description	Method Analyte Units LOD	ME-MS61L	ME-MS61L	ME-MS61L
		Y	Zn	Zr
		ppm	ppm	ppm
		0.01	0.2	0.1
DUPLICATES				
GD030056		44.7	40.1	102.5
DUP		44.5	39.1	95.6
Target Range - Lower Bound		42.4	37.4	91.5
Upper Bound		46.8	41.8	106.5
GD034023		10.45	34.9	182.5
DUP		11.05	34.2	178.5
Target Range - Lower Bound		10.20	32.6	167.0
Upper Bound		11.30	36.5	194.0
GD034105		6.88	27.2	90.4
DUP		7.20	29.4	94.5
Target Range - Lower Bound		6.68	26.7	85.4
Upper Bound		7.40	29.9	99.5
GD034142		13.25	36.3	190.0
DUP		11.65	35.7	180.5
Target Range - Lower Bound		11.80	34.0	171.5
Upper Bound		13.10	38.0	199.0
ORIGINAL		14.65	19.6	15.7
DUP		14.80	18.8	16.1
Target Range - Lower Bound		14.00	18.0	14.6
Upper Bound		15.45	20.4	17.2

