



Australian Laboratory Services Pty. Ltd.

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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

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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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QC CERTIFICATE OF ANALYSIS PH24081422

Sample Description	Method Analyte Units LOD	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	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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QC CERTIFICATE OF ANALYSIS PH24081422

Sample Description	Method Analyte Units LOD	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L
		Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	TI	U	V	W
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	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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QC CERTIFICATE OF ANALYSIS PH24081422

Sample Description	Method Analyte Units LOD	ME-MS61 L	ME-MS61 L	ME-MS61 L
		Y	Zn	Zr
		ppm	ppm	ppm
		0.01	0.2	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

ME-MS61L