



Australian Laboratory Services Pty. Ltd.

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No: 825, Corporate Site No: 818.

To: RESOLUTION MINERALS LTD

LEVEL 4, 29-31

KING WILLIAM STREET

ADELAIDE SA 5000

Page: 1

Total # Pages: 3 (A - D)

Plus Appendix Pages

Finalized Date: 26-SEP-2022

This copy reported on 18-DEC-2023

Account: NORCOB

## CERTIFICATE MI22242344

Project: Carrara Range/ Benmara

This report is for 70 samples of Rock submitted to our lab in Mount Isa, QLD, Australia on 26-AUG-2022.

The following have access to data associated with this certificate:

ANDY HODGSON

CHRISTINE LAWLEY

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
CRU-21	Crush entire sample
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
BAG-01	Bulk Master for Storage
LEV-01	Waste Disposal Levy
LEV-02	Remote Lab Surcharge
LOG-22	Sample login - Rcd w/o BarCode

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
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:

Shaun Kenny, Brisbane Laboratory Manager



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## CERTIFICATE OF ANALYSIS MI22242344

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm	ME-MS61 Fe %
		0.02	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
BR001		2.65	0.06	5.10	26.3	150	0.73	0.24	0.11	0.02	37.8	2.4	112	0.98	30.5	21.2
BR002		2.64	0.02	5.44	58.8	120	1.06	0.27	0.04	0.02	54.0	1.9	118	2.26	22.9	31.0
BR003		2.00	0.03	4.81	38.6	180	0.78	0.30	0.03	<0.02	59.7	2.5	144	2.14	19.2	23.3
BR004		0.52	0.11	11.25	17.9	5150	1.72	0.53	0.16	0.08	>500	44.8	46	6.03	51.8	4.84
BR005		0.82	0.04	2.52	72.2	190	14.30	0.44	0.03	0.05	76.3	31.9	23	1.60	105.5	30.5
BR006		0.75	0.05	1.55	130.0	180	2.73	0.23	0.02	0.04	21.0	34.5	25	0.48	154.5	16.10
BR007		0.70	0.11	7.40	58.0	1290	0.99	0.73	0.03	0.02	50.1	13.0	56	3.04	25.6	7.09
BR008		1.17	0.03	4.46	23.0	1220	22.4	0.22	0.03	0.11	130.5	28.3	30	17.25	87.1	31.2
BR009		1.05	0.02	3.77	31.4	380	1.04	0.51	0.05	0.02	96.6	0.8	60	5.77	6.4	8.14
BR010		2.97	0.03	4.23	22.9	130	1.52	8.59	0.07	0.03	35.1	6.8	122	0.12	335	30.4
BR011		1.88	0.01	0.59	23.1	40	1.06	0.18	0.01	<0.02	12.05	3.8	29	0.46	28.6	8.89
BR012		1.28	0.01	7.14	0.6	510	1.95	1.00	0.18	<0.02	131.0	1.8	42	2.63	9.3	1.14
BR013		1.03	0.01	0.56	19.5	60	1.31	0.38	0.02	<0.02	13.95	0.8	14	0.36	7.1	23.2
BR014		1.85	0.16	2.39	450	180	5.44	15.35	0.05	0.05	50.6	31.0	23	0.29	835	32.9
BR015		1.79	0.15	0.92	251	1070	1.92	12.70	0.06	0.04	13.45	9.4	24	0.12	392	16.95
BR016		1.45	0.01	5.85	23.9	1200	2.13	0.18	0.08	0.03	>500	90.1	2	2.86	169.0	15.70
BR017		1.37	0.03	5.95	22.5	380	3.17	0.19	0.13	<0.02	34.9	20.5	8	2.12	177.0	9.91
BR018		2.34	0.03	5.05	33.0	450	3.57	0.26	0.11	<0.02	66.4	28.7	6	2.14	185.5	11.90
BR019		0.89	<0.01	4.51	3.9	40	0.93	0.05	0.02	<0.02	6.41	13.5	13	0.56	92.3	9.83
BR020		0.76	0.04	7.72	3.3	1610	3.88	0.28	0.05	0.02	123.0	17.8	48	7.04	15.6	2.44
BR021		0.98	0.02	8.21	1.4	330	1.75	0.52	0.03	0.02	137.0	6.4	13	4.65	7.6	0.79
BR022		1.50	0.07	6.89	38.8	1390	13.10	0.26	0.04	0.05	112.0	7.8	140	3.35	24.1	9.12
BR023		1.20	0.01	7.38	56.4	1640	17.35	1.17	0.06	0.08	155.0	19.4	438	6.08	49.0	11.75
BR024		2.15	0.03	3.94	64.4	410	32.3	0.49	0.14	0.34	79.2	28.4	73	3.00	373	36.6
BR025		1.08	0.02	6.99	8.9	1600	8.13	0.18	0.05	0.07	55.5	12.8	89	6.55	26.0	9.17
BR026		2.02	0.02	7.05	9.2	710	7.71	0.38	0.05	0.10	62.5	11.6	87	6.38	20.2	9.18
BR027		1.77	0.02	6.44	5.6	1810	5.14	0.15	0.06	0.04	90.8	19.8	76	5.01	14.6	5.38
BR028		1.81	0.08	7.16	5.6	1470	3.97	0.93	0.06	0.03	130.5	27.4	50	5.75	88.4	4.43
BR029		1.29	0.04	8.49	3.8	910	2.54	1.03	0.03	<0.02	62.4	5.3	100	5.69	7.1	12.50
BR030		1.81	0.04	5.12	3.2	810	0.91	0.39	0.03	0.03	28.7	2.3	47	1.84	14.4	4.85
BR031		1.56	0.04	6.39	14.6	1040	10.05	1.14	0.05	0.09	71.6	22.2	69	5.60	87.2	13.15
BR032		0.87	0.04	8.43	3.5	1300	3.60	0.73	0.03	0.04	61.0	8.1	73	6.10	20.0	4.42
BR033		1.62	0.04	5.65	14.8	470	11.85	0.72	0.04	0.08	109.0	12.6	81	3.50	30.2	17.35
BR034		1.02	0.02	9.54	4.8	100	1.22	0.09	0.04	<0.02	5.77	3.5	79	1.02	55.5	2.84
BR035		1.63	0.05	6.95	40.2	90	5.15	1.78	0.10	0.07	24.8	8.6	118	0.49	168.0	8.80
BR036		1.77	0.02	3.74	51.9	120	5.53	0.15	0.05	0.15	17.80	13.6	105	0.62	214	20.8
BR037		0.92	<0.01	7.96	1.3	630	1.41	0.02	0.03	0.02	124.5	4.0	2	3.62	7.5	4.44
BR038		1.04	<0.01	7.91	1.2	620	0.85	0.05	0.04	0.02	15.40	4.0	6	6.59	8.8	2.34
BR039		1.17	0.16	5.03	3.3	110	11.05	0.01	0.05	0.04	61.3	94.0	19	0.52	593	35.7
BR040		1.12	0.18	1.98	2.4	130	7.97	0.01	0.08	0.34	220	128.5	31	3.20	619	>50



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Project: Carrara Range/ Benmara

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Plus Appendix Pages  
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Account: NORCOB

## CERTIFICATE OF ANALYSIS MI22242344

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
		Ga	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	ppm
		0.05	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
BR001		19.45	0.19	4.4	0.116	0.32	20.9	6.6	0.04	30	0.73	0.03	9.3	4.7	230	22.3
BR002		20.3	3.83	5.4	0.104	0.57	28.1	5.0	0.07	32	1.16	0.03	11.2	3.6	340	21.4
BR003		29.0	0.22	5.9	0.100	0.64	33.3	5.6	0.08	77	0.90	0.03	12.2	2.8	310	18.0
BR004		35.7	0.34	9.2	0.143	0.38	72.3	37.2	0.46	18900	4.08	0.04	36.0	29.0	180	43.7
BR005		7.04	0.45	2.4	0.069	0.23	35.3	3.8	0.06	680	2.91	0.01	4.6	45.3	2970	19.0
BR006		4.07	0.08	0.9	0.065	0.10	8.9	4.5	0.03	617	2.11	0.02	2.2	42.3	560	23.6
BR007		20.8	0.08	4.8	0.105	0.41	44.1	16.0	0.10	2400	1.19	0.04	12.7	11.6	140	31.0
BR008		10.60	0.73	2.8	0.052	2.47	79.6	12.2	0.37	491	2.20	0.08	7.4	160.0	1390	17.8
BR009		18.60	0.13	4.9	0.023	0.85	53.0	7.8	0.17	58	2.11	0.03	12.9	1.7	310	23.9
BR010		15.95	0.25	2.0	0.128	0.07	23.8	3.3	0.07	411	3.66	0.01	6.5	20.6	770	11.8
BR011		2.09	<0.05	0.5	0.025	0.16	5.4	0.8	0.03	64	1.62	0.01	1.9	10.2	170	2.6
BR012		18.00	0.12	6.4	0.039	2.00	66.1	11.2	0.41	66	0.23	0.04	13.5	5.4	90	3.7
BR013		1.70	0.10	2.2	0.048	0.14	9.8	5.5	0.02	106	5.69	0.01	2.0	3.5	90	7.8
BR014		27.3	0.56	1.3	0.336	0.16	63.9	6.9	0.07	198	30.1	0.01	3.0	31.5	2940	130.5
BR015		12.45	0.08	0.6	0.144	0.03	12.0	13.9	0.03	125	20.9	0.02	1.7	7.5	840	64.4
BR016		19.60	0.12	3.9	0.092	1.25	24.0	12.8	0.26	3540	2.81	0.04	7.7	30.2	390	32.8
BR017		17.85	0.13	2.8	0.171	0.81	42.0	24.3	0.18	231	0.74	0.02	4.2	32.9	690	2.5
BR018		15.55	0.12	2.9	0.332	2.34	29.7	14.2	0.17	403	1.16	0.03	5.4	25.8	570	4.4
BR019		16.75	<0.05	2.2	0.109	0.08	3.5	47.9	0.05	322	0.73	0.01	3.9	24.9	220	2.7
BR020		20.0	0.29	5.1	0.040	4.18	214	18.4	0.66	821	1.05	0.12	18.3	14.4	200	26.0
BR021		22.1	0.14	2.8	0.022	4.12	122.5	10.4	0.28	61	0.37	0.17	8.6	9.1	230	64.9
BR022		17.40	0.18	4.2	0.172	5.79	79.5	9.5	0.27	272	2.26	0.08	10.0	28.1	1040	60.2
BR023		21.2	0.18	7.6	0.091	6.25	84.6	22.5	0.51	557	1.86	0.10	12.0	69.4	1050	21.4
BR024		14.45	0.55	1.5	0.510	1.31	41.1	14.4	0.26	947	7.33	0.13	4.3	182.5	5100	183.0
BR025		19.45	0.11	3.3	0.185	4.17	45.1	14.6	0.45	334	0.66	0.07	10.1	54.5	860	7.6
BR026		19.60	0.14	3.3	0.210	4.11	52.7	15.2	0.50	185	0.70	0.06	10.8	50.3	920	7.9
BR027		17.85	0.15	3.6	0.189	4.40	55.8	13.9	0.45	1005	0.65	0.07	10.8	34.4	520	16.5
BR028		18.15	0.17	3.9	0.057	4.24	83.3	12.8	0.45	1205	1.16	0.06	10.5	30.3	580	13.8
BR029		22.8	0.17	3.6	0.399	6.99	56.8	11.4	0.44	142	1.34	0.06	10.2	17.0	170	41.1
BR030		8.16	0.07	1.5	0.020	6.25	15.6	15.6	0.13	60	1.00	0.04	3.0	8.8	60	15.0
BR031		16.65	0.14	3.1	0.096	3.56	37.8	13.1	0.35	270	1.18	0.06	9.5	64.2	1230	11.0
BR032		25.4	0.12	3.8	0.086	5.87	49.0	12.1	0.44	150	0.61	0.08	13.2	24.6	460	17.9
BR033		14.50	0.22	2.8	0.238	4.95	77.4	6.8	0.27	239	1.34	0.04	7.0	69.8	1540	28.8
BR034		23.4	0.05	3.2	0.091	1.54	3.9	14.6	0.20	92	0.34	0.02	5.2	7.5	90	10.2
BR035		18.70	0.07	1.3	0.360	0.22	19.0	41.6	0.28	47	0.84	0.24	4.7	42.7	990	41.3
BR036		14.05	0.16	1.1	0.239	0.31	6.6	35.2	0.08	129	1.56	0.02	2.3	65.2	1830	30.9
BR037		22.2	0.08	8.4	0.111	2.26	30.3	11.4	0.25	122	0.34	0.05	19.2	3.5	100	9.6
BR038		21.2	<0.05	9.7	0.089	0.52	4.0	11.8	0.17	134	0.44	0.02	20.6	4.7	30	5.6
BR039		9.72	0.50	1.2	0.044	0.32	18.6	10.0	0.12	297	0.17	0.01	2.3	117.0	70	13.6
BR040		6.16	0.75	0.5	0.040	0.25	85.4	4.5	0.22	1350	0.14	0.01	1.3	134.5	150	16.7



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		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	TI	U
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.1	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
BR001		17.1	<0.002	0.04	0.55	9.4	8	2.0	25.6	0.64	0.08	11.30	0.337	0.10	1.8
BR002		30.2	<0.002	0.04	0.65	9.4	9	2.4	34.2	0.79	0.13	14.15	0.397	0.15	2.0
BR003		34.4	<0.002	0.03	0.61	8.3	6	2.7	37.0	0.87	0.06	15.45	0.418	0.17	1.9
BR004		73.6	<0.002	0.02	1.62	17.6	2	5.3	47.8	2.41	0.09	29.6	0.545	4.98	10.7
BR005		12.8	<0.002	0.02	1.98	6.6	3	1.2	16.2	0.38	0.08	8.45	0.083	0.11	20.7
BR006		5.8	<0.002	0.02	1.89	6.1	2	0.6	6.2	0.15	<0.05	3.52	0.043	0.27	8.6
BR007		23.8	<0.002	0.03	4.06	10.6	2	3.2	19.1	1.00	0.08	17.00	0.306	0.31	5.4
BR008		138.0	<0.002	0.03	1.24	10.9	1	1.8	59.2	0.62	<0.05	11.10	0.184	1.22	8.2
BR009		55.5	<0.002	0.03	1.60	5.8	3	3.4	40.1	1.08	0.05	15.60	0.283	0.25	3.4
BR010		2.6	<0.002	0.04	1.27	23.2	2	5.1	15.7	0.49	0.40	20.8	0.169	0.04	3.6
BR011		8.5	<0.002	0.01	0.23	2.2	<1	0.4	4.7	0.13	0.12	6.03	0.042	0.04	1.4
BR012		93.2	<0.002	0.01	0.18	10.4	1	2.7	20.9	1.07	<0.05	12.35	0.335	0.35	1.9
BR013		7.1	<0.002	0.01	10.25	1.7	<1	0.3	8.7	0.13	<0.05	2.62	0.033	0.07	4.1
BR014		8.3	<0.002	0.06	41.0	21.3	6	24.0	49.2	0.24	0.18	5.43	0.146	0.09	11.4
BR015		1.9	<0.002	0.09	15.75	7.7	5	8.9	34.1	0.11	0.09	2.61	0.057	0.03	2.8
BR016		62.7	<0.002	0.02	3.27	39.2	1	1.6	37.8	0.53	<0.05	8.58	0.640	1.13	4.1
BR017		44.2	<0.002	0.02	4.99	32.9	1	1.2	26.2	0.30	<0.05	6.19	0.350	0.21	3.6
BR018		78.2	<0.002	0.02	7.19	46.0	1	1.4	29.2	0.37	<0.05	5.86	0.456	0.40	4.3
BR019		7.4	<0.002	0.02	1.16	21.7	1	0.7	3.6	0.28	<0.05	5.95	0.280	0.04	2.0
BR020		219	<0.002	0.03	0.34	7.7	1	4.0	82.1	1.48	<0.05	22.2	0.230	1.15	4.9
BR021		272	<0.002	0.02	0.11	4.4	<1	3.8	45.7	4.65	<0.05	12.05	0.020	1.72	3.9
BR022		170.0	<0.002	0.04	2.99	19.4	1	2.9	65.6	1.01	<0.05	16.70	0.163	1.14	14.8
BR023		130.5	<0.002	0.02	3.26	35.9	1	2.0	130.5	0.66	<0.05	14.70	0.560	0.96	16.3
BR024		77.6	<0.002	0.07	12.10	42.1	1	1.4	52.3	0.32	<0.05	7.15	0.107	0.36	69.9
BR025		263	<0.002	0.03	1.16	16.4	1	3.3	50.7	0.80	<0.05	12.05	0.291	1.19	11.9
BR026		255	<0.002	0.01	1.13	16.2	1	3.3	50.5	0.83	<0.05	13.90	0.292	1.18	12.4
BR027		229	<0.002	0.03	0.83	11.8	<1	3.1	59.7	0.84	<0.05	10.60	0.267	1.24	8.2
BR028		238	<0.002	0.01	0.97	13.6	1	2.6	68.3	0.80	0.05	12.25	0.303	1.36	7.8
BR029		169.0	<0.002	0.01	5.11	17.7	1	3.3	33.3	0.82	0.08	23.3	0.256	1.58	7.3
BR030		187.5	<0.002	0.01	8.65	9.6	<1	0.5	14.8	0.17	<0.05	2.55	0.253	1.94	3.3
BR031		223	<0.002	0.02	1.56	11.4	1	2.8	35.0	0.72	<0.05	12.45	0.232	0.99	16.3
BR032		214	<0.002	0.01	2.30	15.5	1	4.1	63.5	1.05	<0.05	12.65	0.313	1.36	5.9
BR033		148.0	<0.002	0.01	7.70	21.8	1	1.9	28.9	0.51	0.06	9.38	0.272	0.97	15.3
BR034		103.0	<0.002	0.01	0.75	54.7	2	0.9	11.4	0.33	<0.05	1.82	0.925	0.43	0.8
BR035		10.0	<0.002	0.03	1.32	60.1	<1	2.2	21.4	0.45	<0.05	4.35	0.240	0.04	12.0
BR036		22.3	<0.002	0.04	1.46	77.4	1	1.0	12.6	0.14	<0.05	2.63	0.256	0.09	10.3
BR037		220	<0.002	0.01	0.12	15.2	1	3.9	22.0	1.29	<0.05	19.70	0.419	0.75	2.4
BR038		141.0	<0.002	0.02	0.08	12.6	1	2.9	19.2	1.38	<0.05	19.45	0.391	0.67	2.6
BR039		22.5	<0.002	0.02	0.13	38.8	2	0.3	12.6	0.15	<0.05	1.31	0.240	0.08	0.7
BR040		41.8	<0.002	0.03	0.09	35.5	1	0.2	9.2	0.10	<0.05	1.90	0.130	0.26	0.6



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## CERTIFICATE OF ANALYSIS MI22242344

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA23	CRU-QC	PUL-QC
		W	Y	Zn	Zr	Au	Pass2mm	Pass75um
		ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	2	0.5	0.005	0.01	0.01
BR001		1.2	14.8	10	167.5	<0.005	71.2	99.2
BR002		1.4	17.7	9	205	<0.005	76.2	93.3
BR003		1.5	17.9	8	217	<0.005		91.3
BR004		3.7	120.5	60	358	<0.005		97.9
BR005		1.5	32.1	71	96.4	<0.005		96.1
BR006		0.7	9.3	64	38.9	<0.005		99.0
BR007		2.5	19.5	13	205	<0.005		
BR008		1.2	55.9	279	103.5	<0.005		
BR009		1.9	13.8	10	177.0	<0.005		
BR010		0.5	5.4	17	67.7	0.006		
BR011		0.3	4.5	22	17.8	<0.005		
BR012		1.7	23.4	17	235	<0.005		
BR013		48.9	8.8	6	93.5	<0.005		
BR014		1.4	13.7	45	48.2	0.005		
BR015		1.5	5.6	25	23.7	0.025		
BR016		14.7	30.4	79	152.0	<0.005		
BR017		10.6	25.8	62	105.0	<0.005		
BR018		2.9	39.6	71	109.0	<0.005		
BR019		1.1	13.7	45	90.0	<0.005		
BR020		0.2	57.3	66	180.0	<0.005		
BR021		0.3	29.2	11	50.8	<0.005		
BR022		7.3	38.2	42	160.5	<0.005		
BR023		10.1	46.8	64	297	<0.005		
BR024		30.5	56.3	323	54.4	<0.005		
BR025		3.8	36.5	102	120.5	<0.005		
BR026		3.7	37.2	102	125.0	<0.005		
BR027		2.8	32.9	77	128.0	<0.005		
BR028		3.2	37.8	58	145.5	<0.005		
BR029		8.0	69.9	29	132.0	<0.005		
BR030		6.9	24.2	27	56.7	<0.005		
BR031		2.8	32.1	94	117.0	<0.005		
BR032		3.9	30.0	53	137.0	<0.005		
BR033		7.8	38.9	75	110.5	<0.005		
BR034		0.4	8.7	15	122.5	<0.005		
BR035		1.5	12.0	68	52.3	<0.005		
BR036		0.9	15.7	135	46.3	<0.005		
BR037		0.4	25.4	29	319	<0.005		
BR038		0.5	25.2	20	362	<0.005		
BR039		0.3	46.5	353	33.1	<0.005		
BR040		0.1	77.8	403	19.2	<0.005		

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**CERTIFICATE OF ANALYSIS**      **MI22242344**

Sample Description	Method Analyte Units LOD	WEI-21	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
		Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	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
CR001		1.30	4.10	0.65	279	140	3.33	0.96	0.05	0.08	14.20	18.1	60	0.10	627	14.10
CR002		1.47	0.38	1.34	67.4	120	3.29	0.15	0.04	0.02	29.7	13.2	30	0.23	212	17.95
CR003		1.07	0.06	1.20	72.4	460	24.0	0.62	0.06	0.15	35.4	34.7	34	1.18	1090	27.8
CR004		0.94	0.19	2.46	10.4	350	0.57	0.18	0.02	<0.02	27.3	3.1	33	0.36	10.4	8.64
CR005		0.77	0.81	5.40	213	100	9.24	0.28	0.06	0.03	61.7	11.9	70	0.20	827	37.4
CR006		1.09	0.62	7.46	146.5	280	7.27	0.35	0.06	0.03	164.5	7.2	63	0.89	790	22.2
CR007		0.58	0.24	7.45	125.5	500	6.44	0.37	0.07	0.03	205	7.3	50	1.19	843	13.50
CR008		0.96	0.15	4.20	178.0	1120	2.65	0.18	0.04	<0.02	115.0	2.8	53	1.27	143.5	16.20
CR009		1.54	0.12	1.77	210	220	4.59	0.08	0.05	0.05	41.9	38.3	22	0.70	403	13.15
CR010		1.07	0.14	1.93	142.5	280	4.22	0.06	0.03	0.03	43.8	18.3	32	0.60	257	10.80
CR011		1.09	0.07	2.42	169.0	390	9.38	0.13	0.07	0.06	78.5	24.1	32	0.94	619	27.5
CR012		0.78	0.43	8.08	102.5	100	1.46	0.50	0.04	<0.02	43.1	6.7	98	0.73	163.0	21.3
CR013		1.05	0.12	3.07	106.5	480	3.58	0.18	0.03	0.05	39.7	34.7	39	0.38	107.0	24.7
CR014		1.20	0.16	2.77	65.5	1000	2.70	0.19	0.03	0.12	36.7	58.6	36	0.27	83.9	20.4
CR015		0.90	0.21	7.73	55.1	120	1.19	0.33	0.05	<0.02	31.9	4.4	65	0.36	150.5	10.50
CR016		1.22	0.05	1.49	118.0	180	3.59	0.04	0.03	0.21	35.4	50.7	45	0.27	221	13.00
CR017		1.25	0.12	1.60	198.0	930	4.74	0.08	0.04	0.05	120.5	12.9	47	0.33	304	9.48
CR018		0.92	0.07	9.78	15.0	120	1.36	0.46	0.03	<0.02	106.0	6.6	83	2.63	36.2	5.83
CR019		0.77	0.08	9.58	12.8	140	1.34	0.47	0.06	<0.02	55.2	7.5	85	2.71	27.7	5.70
CR020		1.17	0.01	1.26	35.0	150	14.60	2.27	0.02	0.02	19.05	11.6	23	0.16	553	49.3
CR021		1.92	0.06	2.51	233	130	13.20	0.20	0.03	0.02	32.4	50.0	40	0.79	613	27.3
CR022		0.94	0.05	1.84	99.7	100	20.1	0.18	0.03	<0.02	15.70	60.4	34	0.58	188.5	38.8
CR023		1.62	0.01	0.30	3.1	20	0.35	0.12	0.01	<0.02	16.30	2.1	26	0.14	25.0	2.48
CR024		1.18	0.02	1.20	237	90	10.00	0.20	0.01	0.03	23.7	33.0	28	0.32	420	41.9
CR025		1.80	0.02	1.17	249	90	9.73	0.06	0.02	0.04	20.3	46.8	23	0.41	250	46.5
CR026		1.18	0.06	4.17	6.1	270	2.93	0.09	0.08	0.02	36.5	10.6	39	0.40	145.0	16.05
CR027		1.06	0.02	6.41	4.6	100	1.36	0.06	0.08	0.02	12.05	3.4	18	1.08	20.5	10.90
CR028		1.18	0.02	2.28	82.9	140	6.54	0.17	0.06	0.07	55.0	30.7	42	0.86	212	46.3
CR029		1.15	0.04	2.48	81.2	110	18.35	0.19	0.03	0.02	32.7	6.8	54	1.00	19.6	21.5
CR030		1.28	0.03	0.35	5.1	60	1.38	0.11	0.03	<0.02	5.53	4.5	172	0.11	7.1	44.3



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## CERTIFICATE OF ANALYSIS MI22242344

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
		Ga	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	ppm
		0.05	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
CR001		1.60	0.06	0.8	0.048	0.04	7.7	11.6	0.01	137	7.01	0.01	2.0	33.1	2670	240
CR002		3.50	0.09	1.8	0.063	0.07	14.8	5.0	0.03	135	2.92	0.01	2.7	31.5	2030	46.5
CR003		3.00	0.15	1.0	0.056	0.14	16.3	3.7	0.05	395	2.64	0.02	1.9	75.6	3600	13.1
CR004		8.58	0.19	3.1	0.038	0.08	15.0	9.1	0.02	202	1.94	0.02	8.3	6.5	80	10.4
CR005		14.90	1.20	3.1	0.139	0.03	28.5	5.7	0.05	242	5.83	0.02	6.8	27.5	4500	26.2
CR006		19.85	0.67	4.2	0.112	0.11	80.5	9.3	0.06	311	3.77	0.03	10.6	19.0	3540	32.9
CR007		20.9	0.50	4.3	0.104	0.17	88.7	12.4	0.05	688	2.94	0.04	11.7	14.9	2860	36.7
CR008		11.60	0.52	2.2	0.123	0.21	46.4	7.6	0.06	114	2.34	0.04	4.9	7.6	2080	26.4
CR009		5.22	0.33	0.9	0.032	0.17	21.6	7.2	0.07	1200	2.49	0.02	2.3	58.0	1210	25.5
CR010		4.42	0.32	0.8	0.019	0.16	21.3	6.2	0.04	301	2.64	0.03	2.4	50.4	1870	24.1
CR011		6.94	0.62	1.5	0.036	0.17	51.8	4.8	0.07	528	3.26	0.03	3.4	60.8	5620	115.0
CR012		31.7	0.60	5.2	0.195	0.08	26.6	15.6	0.06	109	5.14	0.04	12.9	25.9	850	26.7
CR013		14.20	0.29	3.2	0.053	0.03	18.9	5.9	0.03	2590	6.35	0.02	11.0	33.8	2020	16.6
CR014		13.10	0.24	3.7	0.054	0.03	15.1	6.0	0.03	6560	7.39	0.02	12.5	34.1	1350	17.8
CR015		21.3	0.14	4.1	0.105	0.04	22.8	15.0	0.07	161	1.56	0.03	9.1	12.8	760	16.8
CR016		2.67	0.18	0.8	0.019	0.08	24.5	6.3	0.03	537	5.24	0.02	1.8	59.6	1760	15.8
CR017		4.04	0.35	0.9	0.053	0.09	33.2	6.3	0.03	239	3.08	0.03	2.0	26.9	2330	43.9
CR018		26.5	0.14	5.0	0.097	0.17	37.9	30.6	0.06	371	2.12	0.03	12.9	23.9	300	40.1
CR019		27.5	0.16	5.0	0.101	0.20	36.0	33.3	0.09	597	1.74	0.04	14.3	21.1	260	30.3
CR020		4.13	1.46	1.2	0.075	0.03	8.4	2.1	0.02	155	7.81	0.02	2.8	60.8	4810	8.7
CR021		6.69	0.44	1.3	0.093	0.86	27.7	8.3	0.19	295	9.00	0.03	1.3	132.0	2740	19.4
CR022		5.99	0.64	1.0	0.036	0.66	7.7	4.8	0.14	328	10.40	0.02	1.1	298	3590	5.5
CR023		0.74	<0.05	0.1	0.034	0.07	11.9	1.8	0.02	177	1.80	0.02	0.5	5.7	100	1.6
CR024		3.42	0.58	0.6	0.025	0.42	9.9	5.7	0.07	637	23.9	0.02	1.1	119.5	4460	4.8
CR025		3.18	0.61	0.6	0.017	0.40	8.5	7.9	0.06	499	19.90	0.02	1.2	141.0	5090	2.3
CR026		15.65	<0.05	3.4	0.121	0.28	9.2	8.3	0.12	301	1.71	0.02	8.3	25.2	960	17.6
CR027		18.40	<0.05	4.7	0.030	0.89	6.0	14.6	0.28	110	0.51	0.03	10.1	5.6	240	7.3
CR028		5.70	0.90	1.2	0.057	0.69	28.3	4.4	0.13	294	4.20	0.02	1.5	100.5	5090	4.9
CR029		7.59	<0.05	2.4	0.153	0.74	17.5	6.6	0.18	237	3.89	0.02	4.2	12.8	2610	6.9
CR030		3.06	0.15	0.2	0.028	0.04	2.4	4.8	0.02	57	6.14	0.01	0.6	12.6	120	10.6



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## CERTIFICATE OF ANALYSIS MI22242344

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.1	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
CR001		1.8	<0.002	0.07	12.35	2.5	1	0.5	43.6	0.13	<0.05	1.84	0.049	0.03	5.2
CR002		3.5	<0.002	0.03	4.13	3.2	<1	0.6	46.0	0.18	<0.05	3.41	0.083	0.02	1.6
CR003		8.2	<0.002	0.01	9.49	4.2	<1	0.4	92.1	0.13	0.08	2.98	0.061	0.08	4.2
CR004		3.8	<0.002	0.03	1.04	3.7	1	1.4	18.1	0.68	<0.05	6.05	0.252	0.03	1.8
CR005		1.8	<0.002	0.02	1.14	35.6	6	1.8	31.9	0.58	0.14	8.57	0.301	0.03	11.9
CR006		7.6	<0.002	0.02	1.64	26.1	3	2.7	84.0	0.85	0.07	10.65	0.447	0.07	7.8
CR007		9.7	<0.002	0.02	1.94	20.6	1	2.8	124.5	0.97	0.07	9.35	0.493	0.11	6.2
CR008		12.6	<0.002	0.04	1.00	16.2	1	1.6	192.5	0.41	0.12	7.82	0.192	0.09	2.2
CR009		9.9	<0.002	0.02	1.02	8.0	<1	0.9	132.0	0.20	<0.05	4.20	0.077	0.13	3.3
CR010		8.6	<0.002	0.02	0.74	7.0	<1	0.8	53.9	0.18	<0.05	3.17	0.066	0.07	2.8
CR011		10.8	<0.002	0.01	2.46	10.8	1	1.3	174.5	0.29	0.05	6.21	0.117	0.09	8.5
CR012		5.2	<0.002	0.01	1.56	18.6	3	3.4	35.9	1.08	0.13	10.70	0.538	0.07	3.8
CR013		2.4	<0.002	0.02	0.50	4.5	1	1.7	25.7	0.90	0.09	5.18	0.408	0.64	5.2
CR014		1.6	<0.002	0.01	0.62	5.5	1	1.8	18.2	1.01	0.11	5.49	0.446	3.61	5.1
CR015		2.6	<0.002	0.01	0.72	11.0	2	2.4	41.7	0.73	0.11	10.65	0.429	0.05	1.7
CR016		4.3	<0.002	0.01	0.74	9.7	<1	0.4	66.8	0.12	<0.05	2.97	0.044	0.13	7.2
CR017		5.2	<0.002	0.03	1.08	9.3	1	0.6	333	0.14	0.12	3.31	0.055	0.11	5.3
CR018		20.8	<0.002	0.01	0.87	18.9	1	3.4	38.3	1.06	0.11	15.15	0.552	0.33	2.5
CR019		21.2	<0.002	0.01	0.91	18.0	1	3.6	42.1	1.17	0.10	14.75	0.585	0.27	1.9
CR020		1.4	<0.002	0.03	4.05	5.9	1	0.6	42.1	0.26	<0.05	3.83	0.083	0.02	18.8
CR021		41.5	<0.002	0.01	5.31	8.8	3	0.8	12.7	0.10	0.07	4.11	0.069	0.12	5.5
CR022		32.5	<0.002	0.01	7.38	12.4	<1	0.5	5.8	0.10	0.15	2.72	0.054	0.10	3.6
CR023		3.8	<0.002	0.01	0.67	1.2	<1	0.2	4.8	<0.05	<0.05	1.41	0.008	0.03	0.5
CR024		18.6	<0.002	0.04	1.40	3.5	1	0.5	3.4	0.10	0.17	2.34	0.037	0.11	4.5
CR025		19.1	<0.002	0.03	0.68	2.8	1	0.5	3.5	0.11	0.06	2.09	0.043	0.11	4.6
CR026		24.5	<0.002	0.04	0.62	31.6	1	1.4	15.9	0.61	<0.05	4.89	0.613	0.17	2.6
CR027		51.1	<0.002	0.01	0.31	27.6	1	1.6	11.0	0.73	<0.05	4.79	0.830	0.14	2.4
CR028		32.3	0.002	0.02	0.61	8.6	1	0.7	12.0	0.12	0.07	3.65	0.066	0.16	5.4
CR029		37.9	<0.002	0.02	1.92	43.5	1	1.1	9.1	0.34	0.05	6.18	0.111	0.15	3.3
CR030		2.1	<0.002	0.01	1.64	4.6	<1	0.2	6.7	<0.05	<0.05	0.57	0.008	<0.02	1.3







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ALS Brisbane is a NATA Accredited Testing Laboratory. Corporate Accreditation  
No: 825, Corporate Site No: 818.

To: RESOLUTION MINERALS LTD  
LEVEL 4, 29-31  
KING WILLIAM STREET  
ADELAIDE SA 5000

Project: Carrara Range/ Benmara

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Total # Appendix Pages: 1  
Finalized Date: 26-SEP-2022  
Account: NORCOB

**CERTIFICATE OF ANALYSIS MI22242344**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method:

REEs may not be totally soluble in this method.  
ME-MS61

**ACCREDITATION COMMENTS**

Applies to Method:

NATA Accreditation covers the performance of this service but does not cover the performance of ALS Brisbane Sample Preparation. Corporate Accreditation No: 825, Corporate Site No: 818. The Technical Signatory is David Jones, ICPMS Supervising Chemist  
ME-MS61

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Townsville located at 14-15 Desma Court, Bohle, Townsville, QLD, Australia.  
Au-AA23

Applies to Method:

Processed at ALS Mount Isa located at Unit 4, 16 Enterprise Rd, Mount Isa, QLD, Australia.  
BAG-01 CRU-21 CRU-31 CRU-QC  
LEV-01 LEV-02 LOG-22 PUL-31  
PUL-QC SPL-21 WEI-21

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-MS61