



Australian Laboratory Services Pty. Ltd.

32 Shand Street

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No: 825, Corporate Site No: 818.

To: RESOLUTION MINERALS LTD

LEVEL 4, 29-31

KING WILLIAM STREET

ADELAIDE SA 5000

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Total # Pages: 2 (A - D)

Plus Appendix Pages

Finalized Date: 28-SEP-2022

This copy reported on 18-DEC-2023

Account: NORCOB

## CERTIFICATE MI22242353

Project: Carrara Range/ Benmara

This report is for 22 samples of -80# Soil 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
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-TL43	Trace Level Au - 25g AR	ICP-MS
ME-MS41L	Super Trace Lowest DL AR 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:

Shaun Kenny, Brisbane Laboratory Manager



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## CERTIFICATE OF ANALYSIS MI22242353

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.0002	0.001	0.01	0.01	10	0.5	0.01	0.0005	0.01	0.001	0.003	0.001	0.01
132251		0.15	0.0002	0.021	0.63	2.50	<10	86.4	0.71	0.1470	0.13	0.030	21.1	6.72	16.20
132252		0.15	<0.0002	0.024	0.74	6.48	<10	130.0	0.85	0.1700	0.08	0.036	28.5	8.89	25.7
132253		0.16	<0.0002	0.016	0.56	2.81	<10	80.3	0.54	0.1350	0.06	0.028	18.70	6.25	16.80
132254		0.11	<0.0002	0.010	0.42	5.65	<10	56.3	0.51	0.1210	0.06	0.015	13.75	5.56	27.8
132255		0.10	<0.0002	0.004	0.33	5.77	<10	18.4	0.33	0.1175	0.05	0.007	11.20	3.41	22.5
132256		0.18	<0.0002	0.005	0.28	1.69	<10	31.7	0.21	0.0869	0.03	0.007	6.66	2.11	13.50
132257		0.19	<0.0002	0.003	0.23	1.52	<10	19.6	0.16	0.0657	0.02	0.003	3.65	1.040	13.30
132258		0.25	<0.0002	0.005	0.26	0.88	<10	83.4	0.36	0.0800	0.01	0.005	8.92	1.020	12.65
132259		0.21	<0.0002	0.006	0.33	2.08	<10	58.6	0.29	0.0989	0.05	0.007	13.35	2.60	22.0
132260		0.21	<0.0002	0.002	0.17	0.71	<10	14.6	0.15	0.0557	0.02	0.001	7.34	2.51	12.70
132261		0.17	<0.0002	0.003	0.19	0.83	<10	16.4	0.13	0.0424	0.02	0.003	4.89	1.235	10.45
132262		0.16	<0.0002	0.004	0.23	0.76	<10	37.2	0.19	0.0456	0.01	0.007	5.71	1.135	9.68
132263		0.26	<0.0002	0.006	0.35	1.74	<10	69.0	0.27	0.0693	0.03	0.001	11.70	3.19	20.3
132264		0.27	<0.0002	0.004	0.22	1.99	<10	35.0	0.20	0.0683	0.02	0.002	8.18	1.725	15.25
132265		0.22	<0.0002	0.003	0.19	2.05	<10	28.2	0.18	0.0713	0.02	0.001	6.31	1.650	17.90
132266		0.30	<0.0002	0.003	0.32	1.78	<10	42.4	0.21	0.0733	0.03	0.004	9.65	1.985	13.30
132267		0.18	<0.0002	0.004	0.21	3.12	<10	43.6	0.29	0.0718	0.02	0.004	11.35	2.78	11.25
132268		0.16	<0.0002	0.003	0.12	0.67	<10	15.1	0.11	0.0400	0.01	0.002	3.17	0.907	10.00
132269		0.16	<0.0002	0.004	0.25	1.60	<10	22.7	0.15	0.0958	0.02	0.002	6.38	1.340	14.80
132270		0.17	<0.0002	0.005	0.22	2.08	<10	37.9	0.24	0.0714	0.03	0.005	8.86	2.54	12.00
132271		0.11	<0.0002	0.033	0.85	1.79	<10	64.2	1.12	0.1495	0.09	0.009	177.5	7.63	9.66
132272		0.10	<0.0002	0.032	0.84	1.75	<10	62.7	1.09	0.1505	0.09	0.010	178.0	7.75	10.15



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KING WILLIAM STREET  
ADELAIDE SA 5000

Project: Carrara Range/ Benmara

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Total # Pages: 2 (A - D)  
Plus Appendix Pages  
Finalized Date: 28-SEP-2022  
Account: NORCOB

## CERTIFICATE OF ANALYSIS MI22242353

Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002	0.1	0.01	0.1	0.01	0.001	0.002
132251		12.70	1.680	3.19	0.125	0.035	0.020	0.020	0.07	7.96	2.8	0.06	563	0.23	0.009	0.132
132252		34.1	3.10	4.37	0.077	0.054	0.024	0.030	0.06	8.25	2.4	0.04	718	0.44	0.011	0.225
132253		14.80	1.740	2.94	0.042	0.029	0.021	0.019	0.05	6.61	2.1	0.03	347	0.23	0.009	0.147
132254		15.05	2.64	2.94	0.034	0.042	0.015	0.020	0.03	3.84	1.3	0.03	388	0.37	0.008	0.198
132255		14.35	2.17	2.24	0.020	0.093	0.007	0.014	0.03	4.49	1.0	0.03	63.4	0.37	0.007	0.140
132256		2.57	1.680	2.01	0.012	0.041	0.007	0.011	0.01	3.00	1.0	0.02	84.0	0.19	0.008	0.106
132257		1.78	1.250	1.640	<0.005	0.043	0.005	0.009	0.01	1.725	0.9	0.01	31.0	0.15	0.006	0.080
132258		2.27	0.950	1.575	<0.005	0.028	0.007	0.009	0.03	3.31	0.9	0.03	14.0	0.14	0.007	0.088
132259		3.94	1.130	2.14	<0.005	0.054	0.011	0.014	0.03	4.09	1.5	0.04	313	0.22	0.007	0.128
132260		1.76	0.540	1.265	0.016	0.056	<0.004	0.009	0.01	1.855	0.6	0.02	77.7	0.12	0.040	0.029
132261		2.34	0.560	1.060	0.018	0.035	<0.004	0.006	0.02	2.14	0.8	0.01	35.0	0.10	0.007	0.065
132262		2.36	0.470	1.285	<0.005	0.028	0.006	0.007	0.01	2.63	1.0	0.01	32.2	0.12	0.008	0.048
132263		3.11	1.180	2.42	0.005	0.118	0.004	0.014	0.02	3.50	1.4	0.02	186.0	0.22	0.007	0.238
132264		2.29	0.770	1.420	0.015	0.056	0.004	0.006	0.02	2.27	0.9	0.02	112.5	0.25	0.007	0.077
132265		1.86	0.700	1.250	0.013	0.066	<0.004	0.008	0.02	1.815	0.7	0.01	113.0	0.24	0.007	0.068
132266		3.02	0.870	1.820	0.014	0.067	0.005	0.010	0.03	2.60	1.4	0.03	124.0	0.23	0.007	0.090
132267		2.77	0.750	1.205	0.022	0.055	<0.004	0.006	0.03	3.97	0.8	0.02	163.5	0.33	0.007	0.059
132268		1.15	0.320	0.669	<0.005	0.029	<0.004	<0.005	0.02	1.310	0.4	0.01	74.6	0.10	0.006	0.042
132269		2.12	0.670	1.670	0.007	0.056	0.004	0.007	0.02	2.40	1.1	0.02	40.8	0.25	0.008	0.058
132270		2.54	0.720	1.265	0.007	0.040	0.007	0.007	0.03	3.25	0.9	0.02	225	0.24	0.007	0.062
132271		8.74	1.940	5.54	0.201	0.028	0.010	0.021	0.12	90.9	2.6	0.06	487	0.29	0.011	0.788
132272		9.21	1.920	5.71	0.219	0.027	0.015	0.023	0.12	93.6	2.6	0.06	442	0.30	0.012	0.823



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## CERTIFICATE OF ANALYSIS MI22242353

Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.04	0.001	0.005	0.001	0.002	0.005	0.0002	0.01	0.005	0.005	0.003	0.01	0.01	0.005	0.003
132251		6.20	0.022	7.37	<0.001	<0.002	10.50	<0.0002	0.02	0.161	3.72	0.193	0.57	13.65	<0.005	0.014
132252		7.10	0.024	12.75	<0.001	<0.002	9.41	<0.0002	0.01	0.302	4.49	0.280	0.73	9.75	<0.005	0.027
132253		5.19	0.018	7.44	<0.001	<0.002	8.83	<0.0002	0.02	0.175	3.19	0.169	0.52	7.01	<0.005	0.015
132254		5.20	0.017	6.94	0.001	<0.002	5.80	<0.0002	0.01	0.292	2.61	0.150	0.48	6.55	<0.005	0.023
132255		5.77	0.011	3.72	<0.001	<0.002	4.18	<0.0002	0.01	0.203	1.920	0.160	0.35	3.05	<0.005	0.019
132256		1.27	0.005	2.71	<0.001	<0.002	3.40	<0.0002	0.01	0.075	1.450	0.233	0.40	5.33	<0.005	0.012
132257		0.85	0.004	2.11	0.001	<0.002	2.46	<0.0002	0.01	0.070	1.040	0.187	0.29	3.29	<0.005	0.010
132258		1.27	0.004	3.49	<0.001	<0.002	4.58	<0.0002	0.01	0.071	1.575	0.165	0.31	3.29	<0.005	0.006
132259		2.55	0.005	4.33	<0.001	<0.002	5.44	<0.0002	0.01	0.148	1.610	0.100	0.45	5.89	<0.005	0.014
132260		1.20	0.002	2.60	<0.001	<0.002	1.250	<0.0002	0.01	0.044	1.045	0.089	0.25	3.77	<0.005	0.007
132261		1.81	0.004	1.795	0.001	<0.002	3.08	<0.0002	0.01	0.059	0.942	0.049	0.21	2.23	<0.005	0.005
132262		1.15	0.004	2.49	<0.001	<0.002	2.57	<0.0002	0.01	0.053	1.020	0.073	0.22	3.22	<0.005	0.006
132263		2.07	0.002	3.45	<0.001	<0.002	5.24	<0.0002	<0.01	0.103	1.525	0.069	0.63	2.88	<0.005	0.008
132264		1.53	0.003	2.90	<0.001	<0.002	4.09	<0.0002	<0.01	0.122	0.895	0.086	0.33	2.97	<0.005	0.010
132265		1.67	0.002	3.00	<0.001	<0.002	3.49	<0.0002	<0.01	0.122	0.832	0.090	0.31	2.31	<0.005	0.009
132266		1.82	0.004	3.12	<0.001	<0.002	6.02	<0.0002	0.01	0.113	1.165	0.082	0.41	3.96	<0.005	0.009
132267		2.15	0.003	3.04	<0.001	<0.002	5.16	<0.0002	0.01	0.164	0.877	0.139	0.29	4.72	<0.005	0.012
132268		0.87	0.003	1.330	<0.001	<0.002	2.82	<0.0002	<0.01	0.087	0.440	0.044	0.18	1.81	<0.005	0.004
132269		1.20	0.003	2.73	<0.001	<0.002	3.25	<0.0002	0.01	0.109	1.105	0.178	0.44	3.24	<0.005	0.008
132270		1.59	0.005	2.87	<0.001	<0.002	4.65	<0.0002	0.01	0.130	0.895	0.121	0.30	4.32	<0.005	0.009
132271		3.95	0.011	17.95	<0.001	<0.002	43.3	<0.0002	0.01	0.130	4.79	0.266	1.42	21.9	<0.005	0.008
132272		3.96	0.011	17.95	<0.001	<0.002	45.6	<0.0002	0.01	0.123	4.90	0.278	1.44	20.9	<0.005	0.009



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Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	Au-TL43
		Th	Ti	Ti	U	V	W	Y	Zn	Zr	Au
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.002	0.001	0.001	0.005	0.1	0.001	0.003	0.1	0.01	0.001
132251		1.785	0.008	0.081	0.645	41.8	0.068	8.41	12.4	1.05	<0.001
132252		2.65	0.013	0.173	0.729	77.3	0.079	7.85	14.1	2.38	<0.001
132253		1.840	0.009	0.106	0.474	46.4	0.060	6.60	10.8	1.30	<0.001
132254		1.830	0.013	0.069	0.392	71.5	0.086	3.87	9.7	2.15	0.001
132255		1.840	0.009	0.027	0.306	37.1	0.049	1.745	3.4	3.69	0.001
132256		1.105	0.006	0.023	0.219	29.4	0.047	2.38	20.4	1.83	0.001
132257		0.854	0.005	0.017	0.148	26.4	0.032	1.310	12.8	1.76	<0.001
132258		1.275	0.004	0.027	0.297	20.0	0.036	2.45	7.4	1.14	<0.001
132259		1.775	0.005	0.054	0.271	30.0	0.053	2.89	8.0	2.43	<0.001
132260		1.285	0.002	0.015	0.120	23.0	0.025	1.515	2.8	2.09	<0.001
132261		0.746	0.003	0.021	0.116	17.0	0.021	1.205	1.9	1.40	<0.001
132262		0.849	0.003	0.018	0.135	23.1	0.019	1.770	13.3	1.08	<0.001
132263		1.580	0.006	0.056	0.300	25.2	0.039	2.05	3.9	4.67	<0.001
132264		1.045	0.004	0.039	0.176	19.7	0.033	1.395	4.7	2.11	<0.001
132265		0.964	0.003	0.036	0.142	18.5	0.037	1.245	3.9	2.17	<0.001
132266		1.330	0.004	0.048	0.208	21.1	0.038	1.415	6.3	2.39	<0.001
132267		1.140	0.003	0.043	0.248	16.1	0.038	2.40	2.3	1.94	<0.001
132268		0.503	0.002	0.021	0.081	8.5	0.026	0.660	1.3	0.89	<0.001
132269		1.315	0.003	0.026	0.374	22.1	0.033	1.550	1.3	2.10	<0.001
132270		1.130	0.003	0.044	0.223	17.3	0.037	1.930	2.3	1.40	<0.001
132271		12.50	0.026	0.219	2.49	33.7	0.121	23.5	13.5	1.35	<0.001
132272		12.80	0.027	0.227	2.53	35.3	0.121	24.2	13.8	1.38	<0.001



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**CERTIFICATE OF ANALYSIS    MI22242353**

### CERTIFICATE COMMENTS

## ANALYTICAL COMMENTS

Applies to Method:

Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).  
ME-MS41L

### 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  
Au-TL43

## LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Mount Isa located at Unit 4, 16 Enterprise Rd, Mount Isa, QLD, Australia.

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  
Au-TL43 ME-MS41L