



Australian Laboratory Services Pty. Ltd.

32 Shand Street

Stafford

Brisbane QLD 4053

Phone: +61 7 3243 7222 Fax: +61 7 3243 7218

www.alsglobal.com/geochemistry

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

Page: 1

Total # Pages: 2 (A - D)

Plus Appendix Pages

Finalized Date: 21-SEP-2023

Account: NORCOB

CERTIFICATE MI23248999

Project: Carrara Range

This report is for 25 samples of Rock submitted to our lab in Mount Isa, QLD, Australia on 4-SEP-2023.

The following have access to data associated with this certificate:

ANDY HODGSON

CHRISTINE LAWLEY

COLWIN LLOYD

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-01	Bulk Master for Storage
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LEV-01	Waste Disposal Levy
LEV-02	Remote Lab Surcharge
LOG-22	Sample login - Rcd w/o BarCode
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-21	Crush entire sample
CRU-32c	Fine Crushing 90% <4mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-32m	Pulverize 500g - 85%<75um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Mn-OG62	Ore Grade Mn - Four Acid	

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



Australian Laboratory Services Pty. Ltd.

32 Shand Street

Stafford

Brisbane QLD 4053

Phone: +61 7 3243 7222 Fax: +61 7 3243 7218

www.alsglobal.com/geochemistry

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

Page: 2 - A

Total # Pages: 2 (A - D)

Plus Appendix Pages

Finalized Date: 21-SEP-2023

Account: NORCOB

CERTIFICATE OF ANALYSIS MI23248999

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	
CARK001		1.18	0.20	1.45	17.0	1260	5.43	0.19	0.09	0.23	21.7	40.7	9	1.61	20.7	16.30	
CARK002		1.96	0.11	2.00	75.8	1120	7.64	0.09	0.09	1.62	48.8	109.0	13	3.25	51.0	10.05	
CARK003		2.02	0.04	4.02	27.3	540	3.70	0.27	0.05	0.78	49.4	28.6	24	6.94	13.4	7.16	
CARK004		1.20	0.25	1.27	42.5	3130	11.95	0.45	0.17	1.49	28.2	139.0	11	2.03	87.0	9.12	
CARK005		2.11	0.10	1.11	27.9	430	8.68	0.06	0.16	0.60	28.7	39.8	16	1.19	25.5	19.75	
CARK006		1.34	0.03	2.87	20.1	140	6.78	0.19	0.07	0.05	34.5	13.8	29	1.04	34.1	31.4	
CARK007		3.00	0.01	2.09	51.9	130	3.50	0.34	0.02	0.04	24.7	45.0	17	1.38	19.8	36.3	
CARK008		1.25	0.27	2.45	21.0	2200	1.59	0.11	0.05	0.07	35.6	82.8	10	0.82	27.1	6.84	
CARK009		1.25	0.17	1.68	27.0	2150	2.69	0.11	0.04	0.51	68.2	95.3	9	0.62	16.8	9.39	
CARK010		1.05	0.01	1.54	2.7	110	0.50	0.06	0.06	<0.02	39.0	1.4	6	0.35	6.2	5.32	
CARK011		2.50	1.41	5.22	22.7	320	7.23	0.50	0.02	0.11	38.4	17.5	67	1.09	19.0	29.1	
CARK012		1.18	0.99	3.74	60.4	320	10.05	1.06	0.05	0.25	38.9	35.8	54	0.53	22.7	36.3	
CARK013		1.18	0.05	2.36	6.8	400	5.05	0.12	0.07	0.24	48.1	38.3	12	3.11	11.1	3.56	
CARK014		1.82	0.05	2.19	5.3	2300	2.26	0.13	0.09	0.81	180.5	114.0	10	0.74	15.4	3.09	
CARK015		0.96	0.06	2.50	14.9	960	11.70	0.18	0.10	1.62	34.2	157.0	15	2.12	12.3	10.75	
CARK016		3.57	0.13	1.02	11.0	210	1.77	0.14	0.06	0.57	24.4	57.7	10	0.66	18.2	11.30	
CARK017		1.88	0.01	1.32	5.0	110	0.82	0.15	0.04	0.02	19.80	1.3	10	0.37	10.6	4.88	
CARK018		3.15	0.01	1.40	75.6	80	19.25	0.04	0.05	0.10	31.5	47.3	25	0.99	47.1	49.0	
CARK019		2.32	0.01	1.53	62.8	40	10.75	0.27	0.06	0.19	24.4	69.0	15	1.14	15.3	40.9	
CARK020		2.23	0.04	1.41	198.5	40	8.74	1.88	0.04	0.02	38.3	25.0	56	0.52	712	29.0	
CARK021		2.13	0.02	3.14	28.5	210	3.47	0.19	0.03	0.05	74.8	13.7	28	1.14	14.0	29.0	
CARK022		2.29	0.01	1.78	64.6	130	4.80	0.05	0.02	0.04	32.9	43.5	14	1.41	21.5	33.1	
CARK023		1.74	0.04	2.12	32.0	190	13.35	0.05	0.02	0.05	45.1	44.5	32	1.03	69.2	34.9	
CARK024		1.28	0.94	1.29	29.1	140	3.23	2.82	0.03	0.05	18.15	12.7	17	0.62	25.7	24.8	
CARK025		<0.02	0.24	4.34	66.6	1290	1.77	2.36	4.06	0.19	63.7	8020	49	2.12	>10000	1.76	



Australian Laboratory Services Pty. Ltd.

32 Shand Street

Stafford

Brisbane QLD 4053

Phone: +61 7 3243 7222 Fax: +61 7 3243 7218

www.alsglobal.com/geochemistry

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

Page: 2 - B

Total # Pages: 2 (A - D)

Plus Appendix Pages

Finalized Date: 21-SEP-2023

Account: NORCOB

CERTIFICATE OF ANALYSIS MI23248999

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		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
CARK001		5.69	<0.05	1.3	0.035	0.80	9.6	6.9	0.09	78900	0.58	0.06	3.5	13.2	4890
CARK002		7.49	0.06	1.9	0.052	1.79	22.6	63.8	0.10	>100000	6.91	0.07	3.3	73.4	2790
CARK003		11.65	0.08	4.2	0.026	3.35	22.7	38.3	0.21	27600	1.90	0.06	8.5	25.8	1640
CARK004		8.15	0.11	1.0	0.014	2.79	9.8	18.9	0.06	>100000	3.86	0.05	1.6	41.3	3310
CARK005		8.41	0.08	1.2	0.047	1.79	12.4	6.8	0.09	>100000	1.43	0.05	2.3	19.9	6840
CARK006		11.20	1.02	1.3	0.035	0.32	17.7	3.0	0.05	680	1.74	0.02	4.9	32.5	5250
CARK007		7.37	0.67	1.6	0.025	0.48	12.9	5.4	0.11	1980	2.69	0.02	3.6	34.0	6110
CARK008		7.80	<0.05	1.9	0.038	0.27	15.4	5.1	0.04	15700	0.90	0.08	2.7	11.0	1460
CARK009		7.99	0.09	1.9	0.020	1.76	28.8	4.2	0.02	>100000	3.73	0.09	2.8	11.9	4190
CARK010		6.10	<0.05	1.4	0.023	0.13	21.8	3.5	0.04	594	0.65	0.01	1.9	2.3	380
CARK011		16.05	0.58	9.7	0.091	5.72	15.7	0.2	0.06	467	0.67	0.04	23.8	36.4	3850
CARK012		11.80	0.47	4.6	0.155	3.89	15.6	0.5	0.05	1230	0.85	0.03	12.2	55.4	5520
CARK013		6.20	0.08	2.5	0.037	1.90	20.8	17.0	0.16	57400	0.57	0.06	3.6	14.6	1440
CARK014		7.63	0.13	4.4	0.034	0.84	57.8	40.7	0.04	>100000	0.78	0.10	4.1	14.4	1290
CARK015		10.85	0.12	1.7	0.016	2.98	17.1	79.7	0.10	>100000	0.97	0.08	4.9	68.8	4500
CARK016		8.14	0.06	2.2	0.018	0.82	10.0	3.3	0.04	>100000	1.48	0.04	2.8	6.4	3500
CARK017		7.70	<0.05	2.6	0.116	0.31	9.8	25.7	0.08	614	0.72	0.01	2.2	2.2	360
CARK018		5.97	0.45	1.0	0.035	0.11	14.2	1.5	0.03	2370	4.46	0.01	2.0	58.1	8960
CARK019		5.92	0.65	1.5	0.115	0.28	8.6	6.0	0.09	1425	1.28	0.01	2.3	58.0	3520
CARK020		6.00	0.13	1.6	0.280	0.14	15.7	1.9	0.04	287	41.3	0.01	1.6	46.2	3240
CARK021		10.35	0.55	3.1	0.019	0.41	29.9	4.8	0.08	814	1.64	0.02	5.9	22.0	4710
CARK022		6.40	0.21	2.0	0.017	0.34	15.3	5.0	0.08	1170	4.59	0.01	2.9	42.5	5820
CARK023		6.89	0.18	2.0	0.022	0.31	17.7	3.5	0.08	811	4.07	0.02	3.4	39.2	5320
CARK024		5.65	0.10	1.0	0.016	0.17	8.7	3.5	0.05	890	1.84	0.01	1.3	16.9	5110
CARK025		13.20	0.08	2.1	0.105	1.69	31.0	35.1	3.11	1080	3.50	0.10	6.7	31.2	300



Australian Laboratory Services Pty. Ltd.

32 Shand Street

Stafford

Brisbane QLD 4053

Phone: +61 7 3243 7222 Fax: +61 7 3243 7218

www.alsglobal.com/geochemistry

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

Page: 2 - C

Total # Pages: 2 (A - D)

Plus Appendix Pages

Finalized Date: 21-SEP-2023

Account: NORCOB

CERTIFICATE OF ANALYSIS MI23248999

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
CARK001		33.3	<0.002	0.12	1.01	2.8	<1	0.9	54.8	0.28	<0.05	5.43	0.039	0.70	4.3
CARK002		71.9	<0.002	0.05	3.29	4.5	<1	0.9	103.0	0.24	<0.05	4.69	0.083	2.07	2.3
CARK003		156.5	<0.002	0.03	2.70	5.8	<1	1.9	49.8	0.65	<0.05	12.60	0.215	1.57	2.5
CARK004		64.8	<0.002	0.08	2.07	2.3	1	0.5	602	0.12	<0.05	2.60	0.037	1.54	7.6
CARK005		45.5	<0.002	0.05	0.65	2.4	<1	0.6	329	0.17	<0.05	3.16	0.054	1.06	3.8
CARK006		22.7	<0.002	0.02	0.57	7.3	<1	1.5	22.5	0.37	<0.05	6.75	0.109	0.11	4.6
CARK007		31.6	<0.002	0.01	0.46	4.5	<1	1.1	16.0	0.29	<0.05	5.07	0.092	0.13	2.9
CARK008		16.8	<0.002	0.06	1.14	3.7	<1	1.7	55.2	0.25	<0.05	4.72	0.050	1.32	6.7
CARK009		36.0	<0.002	0.08	1.18	3.7	<1	1.3	127.5	0.25	<0.05	3.97	0.050	0.87	2.4
CARK010		7.4	<0.002	0.05	0.76	1.7	<1	0.6	47.4	0.15	<0.05	4.13	0.035	0.05	0.9
CARK011		70.9	<0.002	0.01	1.12	33.3	2	2.0	11.4	0.85	<0.05	4.39	0.880	0.91	3.2
CARK012		52.1	<0.002	0.02	1.60	43.6	2	1.3	13.6	0.53	<0.05	3.02	0.555	0.70	4.5
CARK013		94.6	<0.002	0.05	0.89	3.1	<1	1.2	60.9	0.31	<0.05	5.53	0.079	0.77	1.7
CARK014		23.6	<0.002	0.07	0.75	4.3	<1	1.3	218	0.34	<0.05	8.12	0.096	0.84	2.8
CARK015		69.1	<0.002	0.08	0.58	4.7	1	1.9	382	0.40	<0.05	5.59	0.107	0.94	5.9
CARK016		17.2	<0.002	0.07	0.91	2.4	<1	0.7	97.4	0.19	<0.05	4.26	0.056	1.06	3.2
CARK017		12.6	<0.002	0.01	1.60	2.7	1	0.7	36.6	0.17	<0.05	4.34	0.051	0.06	2.7
CARK018		5.2	<0.002	0.03	2.83	4.3	1	0.7	52.5	0.16	<0.05	2.82	0.054	0.05	7.3
CARK019		11.5	<0.002	0.03	1.42	7.3	1	0.4	5.8	0.17	<0.05	5.96	0.070	0.06	8.3
CARK020		5.1	<0.002	0.04	6.68	23.3	2	0.5	10.2	0.12	<0.05	6.23	0.048	0.08	47.9
CARK021		27.2	<0.002	0.02	0.57	7.7	<1	1.4	42.2	0.45	<0.05	8.15	0.156	0.14	3.8
CARK022		24.8	<0.002	0.02	0.42	2.9	<1	0.8	25.6	0.23	<0.05	5.41	0.068	0.12	2.4
CARK023		21.8	<0.002	0.02	1.36	6.9	<1	1.0	21.5	0.26	<0.05	5.95	0.081	0.13	7.2
CARK024		11.9	<0.002	0.02	0.63	2.4	<1	0.4	14.2	0.09	<0.05	2.57	0.024	0.06	3.0
CARK025		86.2	0.044	0.74	2.43	8.2	6	2.3	70.5	0.47	<0.05	7.75	0.186	0.48	14.5

Australian Laboratory Services Pty. Ltd.

32 Shand Street

Stafford

Brisbane OLD 4053

Phone: +61 7 3243 7222 Fax: +61 7 3243 7218

www.alsglobal.com/geochemistry

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

Page: 2 – D

Total # Pages: 2 (A – D)

Plus Appendix Pages

Finalized Date: 21-SEP-2023

Account: NORCOB

CERTIFICATE OF ANALYSIS MI23248999

[illegible]



Australian Laboratory Services Pty. Ltd.

32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 7 3243 7222 Fax: +61 7 3243 7218
www.alsglobal.com/geochemistry

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

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-SEP-2023
Account: NORCOB

CERTIFICATE OF ANALYSIS MI23248999

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

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. Technical Signatory: Christopher Snowdon, ICPAES Reporting Chemist
Cu-OG62 ME-OG62

LABORATORY ADDRESSES

Applies to Method:

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

BAG-01	CRU-21	CRU-32c	CRU-QC
LEV-01	LEV-02	LOG-22	LOG-24
PUL-32m	PUL-QC	SPL-22Y	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
Cu-OG62 ME-MS61 ME-OG62 Mn-OG62