



Australian Laboratory Services Pty. Ltd.  
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 www.alsglobal.com/geochemistry

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

To: CRESSWELLS TRANSPORT PTY LTD  
 PO BOX 310  
 DELORAINES TAS 7304

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 Plus Appendix Pages  
 Finalized Date: 25-JUL-2023  
 Account: CRETRA

**QC CERTIFICATE AD23181198**

This report is for 6 samples of Rock Chip submitted to our lab in Burnie, TAS, Australia on 2-JUN-2023.  
 The following have access to data associated with this certificate:

TONY CRESSWELL	KEN MORRISON
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-QC	Pulverizing QC Test
BAG-21	Raw Sample in a new bag
LOG-22	Sample login - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
PUL-23	Pulv Sample - Split/Retain
BAG-01	Bulk Master for Storage
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF26	Whole Rock By Fusion/XRF	XRF
ME-GRA05	H2O/LOI by TGA furnace	TGA

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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**QC CERTIFICATE OF ANALYSIS AD23181198**

Sample Description	Method Analyte Units LOD	ME-XRF26														
		Al2O3 %	BaO %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SO3 %	SiO2 %	SrO %	TiO2 %	Total %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>STANDARDS</b>																
BAUX-CS5																
Target Range - Lower Bound																
Upper Bound																
NCS 14014B		0.08	<0.01	55.0	<0.01	0.33	0.01	0.75	<0.01	0.01	<0.01	0.02	0.06	0.03	0.01	56.30
Target Range - Lower Bound		0.05	<0.01	53.8	<0.01	0.30	<0.01	0.67	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	<0.01
Upper Bound		0.10	0.02	56.4	0.02	0.38	0.02	0.79	0.03	0.03	0.02	0.05	0.10	0.05	0.02	0.02
NCS 14017b		0.60	<0.01	54.2	<0.01	0.32	0.01	0.77	<0.01	0.02	<0.01	0.47	0.88	0.03	0.01	57.31
Target Range - Lower Bound		0.56	<0.01	52.8	<0.01	0.28	<0.01	0.73	<0.01	<0.01	<0.01	0.40	0.78	<0.01	<0.01	<0.01
Upper Bound		0.66	0.02	55.4	0.02	0.36	0.02	0.85	0.03	0.04	0.02	0.51	0.92	0.05	0.02	0.02
NCSDC73037		12.68	0.03	7.91	0.01	13.76	1.20	5.13	0.19	3.61	0.46	0.02	48.04	0.04	4.16	100.00
Target Range - Lower Bound		12.25	<0.01	7.54	<0.01	13.30	1.11	4.89	0.15	3.43	0.39	<0.01	46.79	<0.01	3.88	<0.01
Upper Bound		13.11	0.05	8.16	0.04	14.22	1.27	5.33	0.21	3.79	0.48	0.05	49.11	0.05	4.26	0.02
<b>BLANKS</b>																
BLANK		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	98.92	<0.01	<0.01	98.92
Target Range - Lower Bound		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	97.99	<0.01	<0.01	<0.01
Upper Bound		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	100.00	0.02	0.02	0.02
<b>DUPLICATES</b>																
DRR002		0.31	<0.01	30.6	<0.01	0.18	0.03	20.9	<0.01	0.01	<0.01	<0.01	1.25	0.01	0.03	100.25
DUP		0.32	<0.01	30.7	<0.01	0.19	0.03	20.9	<0.01	0.01	<0.01	<0.01	1.28	0.01	0.03	100.40
Target Range - Lower Bound		0.30	<0.01	30.2	<0.01	0.17	0.02	20.6	<0.01	<0.01	<0.01	<0.01	1.24	<0.01	0.02	99.31
Upper Bound		0.33	0.02	31.1	0.02	0.20	0.04	21.2	0.02	0.02	0.02	0.02	1.29	0.02	0.04	101.35
DRR004		0.31	<0.01	30.4	<0.01	0.18	0.03	20.7	<0.01	0.01	<0.01	<0.01	1.27	<0.01	0.03	99.84
DUP		0.34	<0.01	30.5	<0.01	0.18	0.03	20.8	<0.01	0.01	<0.01	<0.01	1.28	0.01	0.03	100.10
Target Range - Lower Bound		0.31	<0.01	30.0	<0.01	0.17	0.02	20.4	<0.01	<0.01	<0.01	<0.01	1.25	<0.01	0.02	98.96
Upper Bound		0.34	0.02	30.9	0.02	0.19	0.04	21.1	0.02	0.02	0.02	0.02	1.30	0.02	0.04	101.00
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																



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Sample Description	Method Analyte Units LOD	ME-GRA05 LOI % 0.01
<p><b>STANDARDS</b></p> <p>BAUX-CS5 21.29            Target Range - Lower Bound 20.78            Upper Bound 22.08</p> <p>NCS 14014B            Target Range - Lower Bound            Upper Bound</p> <p>NCS 14017b            Target Range - Lower Bound            Upper Bound</p> <p>NCSDC73037            Target Range - Lower Bound            Upper Bound</p> <p><b>BLANKS</b></p> <p>BLANK            Target Range - Lower Bound            Upper Bound</p> <p><b>DUPLICATES</b></p> <p>DRR002            DUP            Target Range - Lower Bound            Upper Bound</p>		
DRR004 DUP Target Range - Lower Bound Upper Bound  ORIGINAL 0.48 DUP 0.49 Target Range - Lower Bound 0.46 Upper Bound 0.51		

