



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

To: **ABX GROUP LTD**
LEVEL 4
100 ALBERT ST
SOUTH MELBOURNE VIC 3205

Page: 1
 Total # Pages: 2 (A - C)
 Plus Appendix Pages
 Finalized Date: 30-APR-2025
 Account: AUSBAU

QC CERTIFICATE BR25119088

Project: ABx REE
 P.O. No.: SSF 292429
 This report is for 25 samples of Other submitted to our lab in Brisbane, QLD, Australia on 28-APR-2025.
 The following have access to data associated with this certificate:

MARK COOKSEY IAN LEVY ABX TASMANIAN LAB	PAUL GLOVER CONNOR MAGUIRE NATHAN TOWNS	DANIEL JEWELL JULIUS MARINELLI
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-QC	Pulverizing QC Test
TRA-21	Transfer sample
PUL-21	Pulverize entire sample
LEV-01	Waste Disposal Levy
LOG-22	Sample login - Rcd w/o BarCode
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS81	Lithium Borate Fusion ICP-MS	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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Sample Description	Method Analyte Units LOD	ME-MS81 Ba ppm	ME-MS81 Ce ppm	ME-MS81 Cr ppm	ME-MS81 Cs ppm	ME-MS81 Dy ppm	ME-MS81 Er ppm	ME-MS81 Eu ppm	ME-MS81 Ga ppm	ME-MS81 Gd ppm	ME-MS81 Hf ppm	ME-MS81 Ho ppm	ME-MS81 La ppm	ME-MS81 Lu ppm	ME-MS81 Nb ppm	ME-MS81 Nd ppm
		0.5	0.1	5	0.01	0.05	0.03	0.02	0.1	0.05	0.05	0.01	0.1	0.01	0.05	0.1
STANDARDS																
OREAS 120		1020	46.1	46	0.70	2.56	1.49	0.99	10.0	3.03	7.24	0.50	19.2	0.16	7.50	20.3
Target Range - Lower Bound		875	41.6	35	0.65	2.11	1.24	0.91	9.5	2.69	5.32	0.42	18.9	0.18	7.24	17.1
Upper Bound		1070	51.0	59	0.81	2.69	1.58	1.15	11.9	3.39	6.62	0.54	23.3	0.24	8.96	21.1
OREAS 20a		1165	81.9	88	15.80	5.25	3.11	1.42	18.0	5.62	7.95	0.97	39.2	0.48	18.45	36.2
Target Range - Lower Bound		973	73.7	73	13.75	4.67	2.74	1.28	17.4	5.16	7.07	0.95	37.6	0.40	17.95	31.6
Upper Bound		1190	90.3	101	16.85	5.81	3.42	1.60	21.4	6.42	8.75	1.19	46.2	0.51	22.1	38.8
BLANKS																
BLANK		1.3	<0.1	<5	0.02	<0.05	<0.03	0.03	<0.1	<0.05	<0.05	0.02	0.1	0.01	<0.05	0.1
Target Range - Lower Bound		<0.5	<0.1	<5	<0.01	<0.05	<0.03	<0.02	<0.1	<0.05	<0.05	<0.01	<0.1	<0.01	<0.05	<0.1
Upper Bound		1.0	0.2	10	0.02	0.10	0.06	0.04	0.2	0.10	0.10	0.02	0.2	0.02	0.10	0.2
DUPLICATES																
TB00208		80.2	219	36	4.19	21.6	13.00	5.78	26.1	21.5	3.70	4.33	65.5	1.88	6.64	95.1
DUP		83.3	219	38	4.87	20.3	13.40	5.63	26.0	21.1	3.96	4.03	64.9	1.81	6.31	97.3
Target Range - Lower Bound		77.2	208	30	4.29	19.85	12.50	5.40	24.6	20.2	3.59	3.96	61.8	1.74	6.10	91.3
Upper Bound		86.3	230	44	4.77	22.0	13.90	6.01	27.5	22.4	4.07	4.40	68.6	1.95	6.85	101.0

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Sample Description	Method Analyte Units LOD	ME-MS81														
		Pr ppm	Rb ppm	Sc ppm	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tm ppm	U ppm	V ppm	W ppm	Y ppm
		0.02	0.2	0.5	0.03	0.5	0.1	0.1	0.01	0.05	0.01	0.01	0.05	5	0.5	0.1
STANDARDS																
OREAS 120		5.05	88.0	1.6	3.94	1.0	125.5	0.5	0.45	5.48	0.24	0.25	36.5	25	0.5	13.8
Target Range - Lower Bound		4.49	78.1		3.34	<0.5	114.0	0.4	0.39	4.86	0.21	0.17	36.7	12	<0.5	10.9
Upper Bound		5.53	95.9		4.14	2.1	140.0	0.8	0.49	6.05	0.28	0.23	44.9	34	2.1	13.5
OREAS 20a		9.50	234	12.6	6.71	5.0	305	1.2	0.82	20.9	0.49	0.42	6.21	125	3.1	30.0
Target Range - Lower Bound		8.40	210	12.1	5.96	2.9	269	1.3	0.78	19.75	0.44	0.40	5.97	98	2.7	26.2
Upper Bound		10.30	257	15.9	7.36	5.3	329	1.9	0.98	24.3	0.56	0.51	7.41	130	5.0	32.2
BLANKS																
BLANK		<0.02	<0.2	<0.5	<0.03	<0.5	<0.1	0.2	0.01	<0.05	<0.01	0.02	<0.05	<5	<0.5	<0.1
Target Range - Lower Bound		<0.02	<0.2		<0.03	<0.5	<0.1	<0.1	<0.01	<0.05	<0.01	<0.01	<0.05	<5	<0.5	<0.1
Upper Bound		0.04	0.4		0.06	1.0	0.2	0.2	0.02	0.10	0.02	0.02	0.10	10	1.0	0.2
DUPLICATES																
TB00208		21.7	65.8	72.2	22.8	1.3	42.3	0.5	3.16	4.77	0.54	1.83	1.58	378	0.9	111.0
DUP		21.5	66.1	72.6	22.4	1.4	42.1	0.4	2.97	4.21	0.54	1.88	1.50	373	0.8	110.5
Target Range - Lower Bound		20.5	62.5	68.3	21.4	0.8	40.0	0.3	2.90	4.22	0.50	1.75	1.41	352	<0.5	105.0
Upper Bound		22.7	69.4	76.5	23.8	1.9	44.4	0.6	3.23	4.76	0.58	1.96	1.67	399	1.0	116.5

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Sample Description	Method Analyte Units LOD	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 1	
STANDARDS				
OREAS 120		1.37	293	
Target Range - Lower Bound		1.18	229	
Upper Bound		1.50	282	
OREAS 20a		3.09	301	
Target Range - Lower Bound		2.63	272	
Upper Bound		3.29	334	
BLANKS				
BLANK		<0.03	<1	
Target Range - Lower Bound		<0.03	<1	
Upper Bound		0.06	2	
DUPLICATES				
TB00208		13.55	133	
DUP		12.85	135	
Target Range - Lower Bound		12.50	126	
Upper Bound		13.90	142	



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	CERTIFICATE COMMENTS								
Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>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</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">BAG-01</td> <td style="width: 33%;">LEV-01</td> <td style="width: 33%;">LOG-22</td> <td style="width: 33%;">ME-MS81</td> </tr> <tr> <td>PUL-21</td> <td>PUL-QC</td> <td>TRA-21</td> <td>WEI-21</td> </tr> </table>	BAG-01	LEV-01	LOG-22	ME-MS81	PUL-21	PUL-QC	TRA-21	WEI-21
BAG-01	LEV-01	LOG-22	ME-MS81						
PUL-21	PUL-QC	TRA-21	WEI-21						