



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: **ALS METALLURGY PTY LTD**

ATF AMMTEC UNIT TRUST

PO BOX 952

BURNIE TAS 7320

Page: 1

Total # Pages: 2 (A – C)

Plus Appendix Pages

Finalized Date: 3-AUG-2023

Account: BURRE

CERTIFICATE BU23203589

Project: A24204

P.O. No.: 24204102

This report is for 26 samples of Metallurg. Prod submitted to our lab in Burnie, TAS, Australia on 25-JUL-2023.

The following have access to data associated with this certificate:

BURNIE ADMIN
DEREK LU
CAROLYNE SULLIVAN

TIMOTHY FIST
DREW REDPATH
SHENGLI ZHAO

DWAYNE GARDAM
BEN SHEAHEN

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
LOG-22	Sample login – Rcd w/o BarCode
WEI-21	Received Sample Weight

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES

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: ALS METALLURGY PTY LTD

ATF AMMTEC UNIT TRUST

PO BOX 952

BURNIE TAS 7320

Project: A24204

Page: 2 - A

Total # Pages: 2 (A - C)

Plus Appendix Pages

Finalized Date: 3-AUG-2023

Account: BURRE

CERTIFICATE OF ANALYSIS BU23203589

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
		g	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
		20	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
24204102		60	<0.5	0.03	<5	<10	<0.5	<2	0.04	<0.5	103	3080	1	4.06	<10
24204103		60	<0.5	0.02	<5	<10	<0.5	<2	0.04	<0.5	98	2070	1	4.00	<10
24204104		60	<0.5	0.01	<5	<10	<0.5	<2	0.04	<0.5	96	1525	1	3.84	<10
24204105		60	<0.5	0.01	<5	<10	<0.5	<2	0.03	<0.5	97	941	2	3.88	<10
24204106		60	<0.5	0.01	<5	<10	<0.5	<2	0.03	<0.5	97	1095	<1	4.03	<10
24204107		60	<0.5	0.01	<5	<10	<0.5	<2	0.04	<0.5	96	986	1	3.76	<10
24204108		60	<0.5	0.02	<5	<10	<0.5	<2	0.03	<0.5	98	1735	1	3.81	<10
24204109		60	<0.5	0.01	<5	<10	<0.5	<2	0.03	<0.5	95	835	2	3.77	<10
24204110		60	<0.5	0.02	<5	<10	<0.5	<2	0.04	<0.5	93	1135	1	3.91	<10
24204111		60	<0.5	0.02	<5	<10	<0.5	<2	0.03	<0.5	95	997	1	3.96	<10
24204112		60	<0.5	0.02	<5	<10	<0.5	<2	0.04	<0.5	95	878	1	3.96	<10
24204113		60	<0.5	0.03	<5	<10	<0.5	<2	0.04	<0.5	93	855	6	3.99	<10
24204114		60	<0.5	0.01	<5	<10	<0.5	<2	0.04	<0.5	93	851	1	3.72	<10
24204115		60	<0.5	0.03	<5	<10	<0.5	<2	0.04	<0.5	95	1155	1	3.86	<10
24204116		60	<0.5	0.01	<5	<10	<0.5	<2	0.03	<0.5	96	945	<1	3.37	<10
24204117		60	<0.5	0.01	<5	<10	<0.5	<2	0.04	0.6	99	1150	2	3.85	<10
24204118		60	<0.5	0.01	<5	<10	<0.5	<2	0.04	<0.5	97	725	2	3.79	<10
24204119		60	<0.5	0.01	<5	<10	<0.5	<2	0.03	<0.5	97	668	1	4.12	<10
24204120		60	<0.5	0.01	<5	<10	<0.5	<2	0.03	<0.5	98	646	1	3.97	<10
24204121		60	<0.5	0.01	<5	<10	<0.5	<2	0.02	<0.5	99	1380	1	4.12	<10
24204122		60	<0.5	0.01	<5	<10	<0.5	<2	0.06	<0.5	98	753	5	4.13	<10
24204123		60	<0.5	0.01	<5	<10	<0.5	<2	0.01	<0.5	100	925	2	4.11	<10
24204124		60	<0.5	0.01	<5	<10	<0.5	<2	0.01	<0.5	101	1020	1	4.17	<10
24204125		60	<0.5	0.02	<5	<10	<0.5	<2	0.01	<0.5	104	1640	1	4.37	<10
24204126		60	<0.5	0.01	<5	<10	<0.5	<2	0.01	<0.5	98	818	1	3.98	<10
24204127		60	<0.5	0.01	<5	<10	<0.5	<2	0.01	<0.5	98	1380	<1	3.96	<10



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: ALS METALLURGY PTY LTD

ATF AMMTEC UNIT TRUST

PO BOX 952

BURNIE TAS 7320

Project: A24204

Page: 2 - B

Total # Pages: 2 (A - C)

Plus Appendix Pages

Finalized Date: 3-AUG-2023

Account: BURRE

CERTIFICATE OF ANALYSIS BU23203589

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
		ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		10	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
24204102		<10	<10	25.3	602	1	<0.01	2370	<10	4	0.01	<5	1	4	<20
24204103		<10	<10	25.3	600	1	<0.01	2350	10	4	0.01	<5	1	5	<20
24204104		<10	<10	25.2	560	1	0.01	2360	10	2	0.01	<5	1	4	<20
24204105		<10	<10	25.7	585	<1	0.01	2470	10	22	0.01	<5	1	3	<20
24204106		<10	<10	25.9	585	<1	0.01	2430	<10	3	0.01	<5	1	4	<20
24204107		<10	<10	25.4	575	<1	0.01	2520	<10	<2	0.01	<5	1	4	<20
24204108		<10	<10	25.4	578	<1	0.01	2420	<10	<2	0.01	<5	2	3	<20
24204109		<10	<10	25.7	576	<1	0.01	2570	<10	4	0.01	<5	1	4	<20
24204110		<10	<10	24.8	593	1	0.01	2330	<10	15	0.01	<5	2	5	<20
24204111		<10	<10	25.2	598	<1	0.01	2350	<10	9	0.01	<5	2	5	<20
24204112		<10	<10	25.4	582	<1	0.01	2370	<10	2	<0.01	<5	2	6	<20
24204113		<10	<10	24.8	595	<1	0.01	2290	10	72	0.01	<5	2	7	<20
24204114		<10	<10	25.4	562	<1	0.01	2410	10	4	<0.01	<5	1	6	<20
24204115		<10	<10	25.3	606	<1	0.01	2310	<10	4	<0.01	<5	2	7	<20
24204116		<10	<10	26.0	518	1	0.01	2790	<10	3	<0.01	<5	1	6	<20
24204117		<10	<10	25.5	600	<1	0.01	2430	<10	18	0.01	<5	1	7	<20
24204118		<10	<10	25.5	589	1	0.01	2430	10	4	<0.01	<5	1	8	<20
24204119		<10	<10	25.8	593	<1	0.01	2430	<10	<2	<0.01	<5	2	6	<20
24204120		<10	<10	25.9	604	<1	0.01	2410	<10	8	<0.01	<5	1	5	<20
24204121		<10	<10	25.8	595	1	0.01	2400	<10	2	<0.01	<5	1	4	<20
24204122		<10	<10	25.6	609	<1	0.01	2370	<10	3	0.01	<5	1	3	<20
24204123		<10	<10	25.9	688	<1	0.01	2430	<10	12	<0.01	<5	1	4	<20
24204124		<10	<10	25.9	562	1	0.01	2420	<10	2	<0.01	<5	2	3	<20
24204125		<10	<10	26.0	625	<1	0.01	2480	<10	2	<0.01	<5	2	2	<20
24204126		<10	<10	26.3	582	1	<0.01	2510	<10	<2	<0.01	<5	2	3	<20
24204127		<10	<10	26.1	601	<1	<0.01	2470	<10	2	<0.01	<5	1	1	<20



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: ALS METALLURGY PTY LTD

ATF AMMTEC UNIT TRUST

PO BOX 952

BURNIE TAS 7320

Project: A24204

Page: 2 – C

Total # Pages: 2 (A – C)

Plus Appendix Pages

Finalized Date: 3-AUG-2023

Account: BURRE

CERTIFICATE OF ANALYSIS BU23203589

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Ti	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
24204102		<10	<10	4	<10	35
24204103		<10	<10	3	<10	33
24204104		<10	<10	2	<10	30
24204105		10	<10	1	<10	37
24204106		<10	<10	2	<10	28
24204107		<10	<10	2	<10	28
24204108		<10	<10	3	<10	29
24204109		<10	<10	3	<10	47
24204110		<10	<10	4	<10	44
24204111		<10	<10	4	<10	48
24204112		<10	<10	3	<10	32
24204113		<10	<10	4	<10	66
24204114		<10	<10	2	<10	38
24204115		<10	<10	4	<10	36
24204116		<10	<10	2	<10	29
24204117		<10	<10	3	<10	195
24204118		<10	<10	2	<10	34
24204119		<10	<10	3	<10	30
24204120		<10	<10	1	<10	31
24204121		<10	<10	2	<10	37
24204122		<10	<10	2	<10	33
24204123		<10	<10	2	<10	44
24204124		<10	<10	3	<10	30
24204125		<10	<10	5	<10	45
24204126		<10	<10	2	<10	30
24204127		<10	<10	3	<10	32



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: **ALS METALLURGY PTY LTD**

ATF AMMTEC UNIT TRUST

PO BOX 952

BURNIE TAS 7320

Project: A24204

Page: Appendix 1

Total # Appendix Pages: 1

Finalized Date: 3-AUG-2023

Account: BURRE

CERTIFICATE OF ANALYSIS BU23203589

CERTIFICATE COMMENTS

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. Technical Signatory: Christopher Snowdon, ICPAES Reporting Chemist
ME-ICP61

LABORATORY ADDRESSES

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-ICP61

Applies to Method:

Processed at ALS Burnie located at 39 River Road, Burnie, TAS, Australia.
LOG-22 WEI-21