

Dr. Joe Xie

Yunnan Tin Australia TDK Resources Pty Ltd

15 Gubbuteh Rd
Little Bay
New South Wales 2036
Australia

Lab Ref BT133125

Client Ref **8017-8120**

Project *

Cost Code

Status Final

Received 02/11/23

Reported 12/02/24

Samples 104

First Sample 8017

Last Sample 8120

Pages 11

Notes



Wayne Taylor

This document is issued by the Company under its General Conditions of Service accessible at www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client only. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

This report must not be reproduced, except in full.



Lab Ref BT133125
 Client Ref **8017-8120**
 Project *
 Reported 12/02/24
 Status Final
 Page Page 2 of 11

ANALYTICAL REPORT

Scheme	WGH79	ICP92A50	ICP92A50	ICP92A50	ICP92A50	IMS92A50
Units	KG	PPM	PPM	PPM	PPM	PPM
Detection Limit	0	10	10	50	50	10
Upper Limit	0	50000	50000	50000	40000	500
Analyte	WtKg	Cu	Li	Sn	W	Ag
8017	1.7	60	100	850	<50	<10
8018	3.4	80	320	140	<50	<10
8019	3.4	80	320	240	<50	<10
8020	4.1	100	410	60	<50	<10
8021	2.0	30	170	210	<50	<10
8022	2.1	50	300	320	<50	<10
8023	1.7	<10	170	510	<50	<10
8024	1.7	<10	240	180	<50	<10
8025	1.7	<10	300	720	<50	<10
8026	2.0	<10	290	270	<50	<10
8027	1.7	<10	200	50	<50	<10
8028	1.9	<10	160	<50	<50	<10
8029	1.9	60	250	190	<50	<10
8030	2.0	<10	250	3260	<50	<10
8031	1.6	<10	230	660	<50	<10
8032	1.8	<10	260	310	<50	<10
8033	1.7	<10	200	300	<50	<10
8034	2.1	<10	180	110	<50	<10
8035	1.9	<10	90	310	<50	<10
8036	1.5	<10	250	100	<50	<10
8037	2.1	<10	360	190	<50	<10
8038	1.3	<10	30	<50	<50	<10
8039	1.8	<10	110	1720	<50	<10
8040		<10	2880	350	<50	<10
8041	1.9	<10	110	180	<50	<10
8042	2.1	<10	520	540	<50	<10
8043	2.0	<10	260	7840	<50	<10
8044	1.7	<10	270	1620	<50	<10
8045	1.8	<10	330	1350	<50	<10
8046	1.9	<10	870	290	<50	<10
8047	2.0	<10	690	650	<50	<10
8048	2.0	<10	310	260	<50	<10
8049	1.8	<10	320	180	<50	<10
8050	1.8	<10	470	2930	<50	<10
8051	2.0	<10	510	1830	<50	<10
8052	2.0	<10	470	1550	<50	<10
8053	1.8	<10	250	930	<50	<10

- not analysed / -- element not determined / I.S. insufficient sample
 L.N.R. listed not received / D.I.P destroyed in process

Results are not intended for commercial settlement purposes. Samples analysed as received.



Lab Ref BT133125
 Client Ref **8017-8120**
 Project *
 Reported 12/02/24
 Status Final
 Page Page 3 of 11

ANALYTICAL REPORT

	WGH79 KG 0 0 WtKg	ICP92A50 PPM 10 50000 Cu	ICP92A50 PPM 10 50000 Li	ICP92A50 PPM 50 50000 Sn	ICP92A50 PPM 50 40000 W	IMS92A50 PPM 10 500 Ag
8054	2.1	50	210	1600	<50	<10
8055	2.0	20	400	2620	<50	<10
8056	2.2	<10	670	2210	<50	<10
8057	1.9	<10	460	870	<50	<10
8058	2.0	<10	240	350	400	<10
8059	1.2	<10	<10	<50	<50	<10
8060		<10	2990	290	<50	<10
8061	2.0	<10	310	300	840	<10
8062	1.9	<10	320	160	<50	<10
8063	2.0	<10	270	120	<50	<10
8064	2.0	<10	320	<50	<50	<10
8065	1.8	20	340	100	<50	<10
8066	1.9	<10	270	<50	<50	<10
8067	2.0	<10	270	60	<50	<10
8068	1.9	<10	330	70	<50	<10
8069	1.9	<10	250	<50	<50	<10
8070	1.7	<10	280	<50	<50	<10
8071	1.7	<10	150	<50	<50	<10
8072	1.2	<10	280	<50	<50	<10
8073	1.9	10	250	<50	<50	<10
8074	1.7	<10	330	<50	<50	<10
8075	1.9	<10	220	<50	<50	<10
8076	1.8	20	200	<50	<50	<10
8077	1.6	<10	210	70	<50	<10
8078	1.8	<10	250	<50	<50	<10
8079	1.7	10	210	50	<50	<10
8080	1.9	<10	270	<50	<50	<10
8081	1.3	<10	60	<50	<50	<10
8082	1.9	30	300	<50	<50	<10
8083		<10	3090	300	<50	<10
8084	2.0	<10	250	<50	<50	<10
8085	1.9	<10	260	60	<50	<10
8086	1.7	<10	300	<50	<50	<10
8087	2.1	<10	260	<50	<50	<10
8088	1.9	<10	260	<50	<50	<10
8089	1.9	<10	190	70	<50	<10
8090	1.8	<10	190	<50	<50	<10

- not analysed / -- element not determined / I.S. insufficient sample
 L.N.R. listed not received / D.I.P. destroyed in process

Results are not intended for commercial settlement purposes. Samples analysed as received.



Lab Ref BT133125
 Client Ref **8017-8120**
 Project *
 Reported 12/02/24
 Status Final
 Page Page 4 of 11

ANALYTICAL REPORT

	WGH79 KG 0 0 WtKg	ICP92A50 PPM 10 50000 Cu	ICP92A50 PPM 10 50000 Li	ICP92A50 PPM 50 50000 Sn	ICP92A50 PPM 50 40000 W	IMS92A50 PPM 10 500 Ag
8091	1.8	10	150	<50	<50	<10
8092	2.0	<10	180	<50	<50	<10
8093	1.9	<10	150	<50	<50	<10
8094	2.0	<10	130	<50	<50	<10
8095	1.8	<10	140	<50	<50	<10
8096	1.7	<10	150	<50	<50	<10
8097	1.8	<10	70	<50	<50	<10
8098	1.9	<10	70	<50	<50	<10
8099	2.0	<10	50	<50	<50	<10
8100	1.6	<10	100	<50	<50	<10
8101	1.8	<10	170	<50	<50	<10
8102	1.8	<10	190	50	<50	<10
8103	1.9	<10	280	<50	<50	<10
8104	1.2	100	170	<50	<50	<10
8105	1.3	<10	10	<50	<50	<10
8106	2.7	170	210	<50	<50	<10
8107		20	3100	260	<50	<10
8108	3.0	90	90	<50	<50	<10
8109	3.1	150	240	70	<50	10
8110	1.9	30	320	<50	<50	10
8111	1.9	70	540	<50	<50	10
8112	1.8	<10	630	60	<50	<10
8113	1.9	<10	210	<50	<50	10
8114	1.9	<10	350	<50	<50	<10
8115	1.8	<10	250	80	<50	<10
8116	1.8	<10	230	<50	<50	<10
8117	1.8	<10	540	110	<50	<10
8118	1.9	<10	250	70	<50	<10
8119	1.9	<10	270	<50	<50	<10
8120	1.9	<10	200	<50	<50	<10
D - 8025						
D - 8072						
D - 8119						

- not analysed / -- element not determined / I.S. insufficient sample
 L.N.R. listed not received / D.I.P. destroyed in process

Results are not intended for commercial settlement purposes. Samples analysed as received.



Lab Ref BT133125
 Client Ref **8017-8120**
 Project *
 Reported 12/02/24
 Status Final
 Page Page 5 of 11

ANALYTICAL REPORT

Scheme	IMS92A50	IMS92A50	IMS92A50	IMS92A50	IMS92A50	IMS92A50
Units	PPM	PPM	PPM	PPM	PPM	PPM
Detection Limit	0.25	2.5	10	0.5	10	0.25
Upper Limit	5000	1000	5000	5000	5000	5000
Analyte	Cs	Ga	Nb	Rb	Ta	Tl
8017	34.3	30	30	793	<10	4.4
8018	43.4	43	50	1020	20	5.5
8019	45.2	43	50	1080	20	5.7
8020	56.3	46	60	1380	20	6.6
8021	45.4	44	50	1120	20	5.4
8022	41.1	49	50	944	20	5.5
8023	35.8	43	50	959	20	5.3
8024	36.5	48	40	1060	10	5.9
8025	43.5	53	40	1150	10	6.2
8026	52.0	55	40	1410	20	7.1
8027	44.5	52	50	1210	10	7.3
8028	37.5	45	50	1260	20	6.8
8029	44.5	49	50	1260	20	6.3
8030	44.1	40	50	1200	10	5.7
8031	49.9	44	50	1170	20	6.3
8032	52.6	46	60	1280	20	6.4
8033	60.4	53	60	1540	20	7.4
8034	47.0	48	50	1170	20	6.5
8035	26.8	31	50	663	20	4.4
8036	64.8	45	50	1420	20	9.8
8037	88.7	62	40	2100	10	12.8
8038	0.5	<3	<10	18.0	<10	<0.3
8039	30.0	36	40	1160	10	8.8
8040	178	55	70	4070	700	31.3
8041	31.3	49	50	1570	10	13.3
8042	172	81	50	2960	20	19.3
8043	64.7	33	60	1460	20	9.3
8044	70.5	33	40	1400	10	8.3
8045	88.5	31	50	1370	20	7.4
8046	254	77	70	3130	20	17.4
8047	200	71	70	2920	20	16.1
8048	67.3	48	50	1400	10	7.0
8049	75.7	52	50	1520	10	8.1
8050	105	74	60	1920	20	10.7
8051	108	75	50	1900	10	12.0
8052	93.9	75	40	1950	10	10.0
8053	50.1	65	40	1220	<10	7.6

- not analysed / -- element not determined / I.S. insufficient sample
 L.N.R. listed not received / D.I.P. destroyed in process

Results are not intended for commercial settlement purposes. Samples analysed as received.



Lab Ref BT133125
 Client Ref **8017-8120**
 Project *
 Reported 12/02/24
 Status Final
 Page Page 6 of 11

ANALYTICAL REPORT

	IMS92A50 PPM 0.25 5000 Cs	IMS92A50 PPM 2.5 1000 Ga	IMS92A50 PPM 10 5000 Nb	IMS92A50 PPM 0.5 5000 Rb	IMS92A50 PPM 10 5000 Ta	IMS92A50 PPM 0.25 5000 Tl
8054	41.9	54	20	1040	10	7.1
8055	93.5	72	60	2210	20	11.4
8056	168	100	70	3110	20	19.2
8057	95.6	83	70	2390	20	14.4
8058	65.3	69	90	2050	20	11.9
8059	1.4	<3	<10	37.7	<10	<0.3
8060	174	52	50	4110	520	29.2
8061	72.1	55	90	1640	30	9.3
8062	59.5	46	50	1360	20	6.9
8063	49.4	47	40	1220	20	6.1
8064	48.5	49	40	1210	10	6.0
8065	45.4	47	40	1270	20	6.3
8066	39.1	46	40	1180	10	5.8
8067	39.1	44	30	1220	10	6.2
8068	43.4	45	40	1340	10	7.2
8069	42.3	35	20	1020	<10	5.8
8070	39.3	32	20	1040	<10	5.2
8071	36.0	36	30	993	<10	6.1
8072	50.0	37	30	1030	<10	5.8
8073	43.8	33	20	941	<10	5.3
8074	51.6	36	30	1010	<10	5.2
8075	49.5	36	30	1010	10	5.1
8076	51.9	34	30	931	<10	5.1
8077	54.1	36	30	1010	<10	5.1
8078	47.4	35	30	979	<10	5.1
8079	41.8	29	20	832	<10	4.2
8080	46.0	32	20	874	<10	4.7
8081	1.1	<3	<10	28.6	<10	<0.3
8082	45.4	32	20	939	<10	4.9
8083	166	53	60	3800	600	26.4
8084	57.8	35	30	1080	<10	5.6
8085	48.2	30	20	823	<10	4.2
8086	37.3	34	30	884	<10	4.5
8087	47.6	35	30	972	<10	4.9
8088	39.9	32	30	1010	<10	5.3
8089	39.3	32	20	995	<10	5.2
8090	45.8	33	20	1020	<10	4.8

- not analysed / -- element not determined / I.S. insufficient sample
 L.N.R. listed not received / D.I.P. destroyed in process

Results are not intended for commercial settlement purposes. Samples analysed as received.



Lab Ref BT133125
 Client Ref **8017-8120**
 Project *
 Reported 12/02/24
 Status Final
 Page Page 7 of 11

ANALYTICAL REPORT

	IMS92A50 PPM 0.25 5000 Cs	IMS92A50 PPM 2.5 1000 Ga	IMS92A50 PPM 10 5000 Nb	IMS92A50 PPM 0.5 5000 Rb	IMS92A50 PPM 10 5000 Ta	IMS92A50 PPM 0.25 5000 Tl
8091	29.4	28	20	875	<10	4.4
8092	25.5	29	20	903	<10	4.6
8093	27.4	28	20	849	<10	4.4
8094	34.5	29	20	874	<10	4.6
8095	34.4	35	30	952	<10	4.5
8096	91.8	42	30	1140	<10	5.3
8097	11.1	51	40	356	20	1.8
8098	17.7	41	50	754	20	4.5
8099	14.8	50	40	794	10	5.3
8100	16.3	39	40	791	10	4.4
8101	35.9	38	40	921	10	4.9
8102	33.8	38	30	967	<10	5.1
8103	35.0	39	30	1000	<10	5.6
8104	32.7	37	30	1100	<10	6.5
8105	0.5	<3	<10	9.0	<10	<0.3
8106	37.6	41	30	1180	<10	5.8
8107	186	57	60	3950	630	27.4
8108	25.7	36	30	1060	10	5.8
8109	35.1	41	30	1180	<10	6.3
8110	42.6	39	30	1220	10	7.0
8111	74.3	45	50	1190	20	6.0
8112	92.2	65	40	2220	10	12.8
8113	28.8	40	20	1340	<10	8.0
8114	35.7	40	30	1250	<10	6.8
8115	35.2	40	30	1350	<10	7.5
8116	30.3	35	30	933	<10	4.7
8117	97.0	71	60	2450	30	11.9
8118	35.0	38	30	1170	<10	6.5
8119	35.9	38	30	1190	<10	6.9
8120	30.3	41	30	1000	<10	5.7
D - 8025						
D - 8072						
D - 8119						

- not analysed / -- element not determined / I.S. insufficient sample
 L.N.R. listed not received / D.I.P. destroyed in process

Results are not intended for commercial settlement purposes. Samples analysed as received.



Lab Ref BT133125
Client Ref **8017-8120**
Project *
Reported 12/02/24
Status Final
Page Page 8 of 11

ANALYTICAL REPORT

Scheme	IMS92A50
Units	PPM
Detection Limit	2
Upper Limit	5000
Analyte	W
8017	49
8018	18
8019	12
8020	14
8021	35
8022	6
8023	2
8024	6
8025	10
8026	18
8027	4
8028	7
8029	7
8030	12
8031	22
8032	7
8033	4
8034	3
8035	<2
8036	<2
8037	5
8038	<2
8039	9
8040	<2
8041	3
8042	3
8043	18
8044	8
8045	47
8046	5
8047	8
8048	5
8049	3
8050	19
8051	9
8052	12
8053	8

- not analysed / -- element not determined / I.S. insufficient sample
L.N.R. listed not received / D.I.P. destroyed in process

Results are not intended for commercial settlement purposes. Samples analysed as received.



Lab Ref BT133125
Client Ref **8017-8120**
Project *
Reported 12/02/24
Status Final
Page Page 9 of 11

ANALYTICAL REPORT

	IMS92A50 PPM 2 5000 W
8054	19
8055	20
8056	18
8057	25
8058	402
8059	4
8060	6
8061	843
8062	10
8063	8
8064	9
8065	8
8066	5
8067	<2
8068	3
8069	8
8070	3
8071	<2
8072	2
8073	<2
8074	3
8075	7
8076	14
8077	<2
8078	4
8079	9
8080	19
8081	5
8082	3
8083	5
8084	5
8085	<2
8086	2
8087	8
8088	7
8089	<2
8090	4

- not analysed / -- element not determined / I.S. insufficient sample
L.N.R. listed not received / D.I.P. destroyed in process

Results are not intended for commercial settlement purposes. Samples analysed as received.



Lab Ref BT133125
Client Ref **8017-8120**
Project *
Reported 12/02/24
Status Final
Page Page 10 of 11

ANALYTICAL REPORT

	IMS92A50 PPM 2 5000 W
8091	29
8092	3
8093	5
8094	4
8095	3
8096	10
8097	8
8098	8
8099	<2
8100	2
8101	11
8102	4
8103	<2
8104	7
8105	<2
8106	9
8107	10
8108	12
8109	7
8110	9
8111	8
8112	7
8113	8
8114	8
8115	10
8116	10
8117	13
8118	8
8119	5
8120	7
D - 8025	
D - 8072	
D - 8119	

- not analysed / -- element not determined / I.S. insufficient sample
L.N.R. listed not received / D.I.P. destroyed in process

Results are not intended for commercial settlement purposes. Samples analysed as received.



Lab Ref BT133125
Client Ref **8017-8120**
Project *
Reported 12/02/24
Status Final
Page Page 11 of 11

DESCRIPTION

CRU22 : Crush >3.5kg, 10 Mesh (2mm), Per kg
DRY10 : Sample Drying, 105°C, <3.5kg
GE_FUS92A50 : Sodium Peroxide fusion of exploration grade samples
GE_ICP92A50 : ICP analysis of solution from FUS92A50
GE_IMS92A50 : IMS analysis of solution from FUS92A50
PUL45 : Pulv, Cr Steel, 75µm, 250g
SPL27 : Rotary Splitting, Per kg
WGH79 : Sample Weight