

# MINERALS TEST REPORT

## CLIENT

### TODD RIVER METALS PTY LTD

PO Box 2019  
SUBIACO, W.A. 6904  
AUSTRALIA

## JOB INFORMATION

JOB CODE	: 2039.0/1806461
NO. SAMPLES	: 24
NO. ELEMENTS	: 34
CLIENT ORDER NO.	: Q180228 (Job 1 of 1)
SAMPLE SUBMISSION NO.	: 18MH02
PROJECT	: MH
SAMPLE TYPE	: RC Chip
DATE RECEIVED	: 11/05/2018
DATE REPORTED	: 28/05/2018
DATE PRINTED	: 28/05/2018

## REPORT NOTES

## TESTED BY

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This report relates specifically to the sample(s) tested that were drawn and/or provided by the client or their nominated third party to Intertek. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment. This report was prepared solely for the use of the client named in this report. Intertek accepts no responsibility for any loss, damage or liability suffered by a third party as a result of any reliance upon or use of this report. The results provided are not intended for commercial settlement purposes.

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## SIGNIFICANT FIGURES

It is common practice to report data derived from analytical instrumentation to a maximum of two or three significant figures. Some data reported herein may show more figures than this. The reporting of more than two or three figures in no way implies that figures beyond the least significant digit have significance.

For more information on the uncertainty on individual reported values, please contact the laboratory.

## SAMPLE STORAGE

All solid samples (assay pulps, bulk pulps and residues) will be stored for 60 days without charge. Following this, samples will be stored at a daily rate until clients' written advice regarding return, collection or disposal is received. If storage information is not supplied on the submission, or arranged with the laboratory in writing, the default will be to store the samples with the applicable charges. Storage is charged at \$4.00 per m<sup>3</sup> per day, expenses related to the return or disposal of samples will be charged at cost. Current disposal cost is charged at \$150.00 per m<sup>3</sup>.

Samples received as liquids, waters or solutions will be held for 60 days free of charge then disposed of, unless written advice for return or collection is received.

<b>LEGEND</b>	X	= Less than Detection Limit	NA	= Not Analysed
	SNR	= Sample Not Received	UA	= Unable to Assay
	*	= Result Checked	>	= Value beyond Limit of Method
	DTF	= Result still to come	+	= Extra Sample Received Not Listed
	IS	= Insufficient Sample for Analysis		



ELEMENTS	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Ce	Co
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	0.005	0.5	50	10	2	5	50	0.5	20	1
DIGEST	FA25/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE
SAMPLE NUMBERS										
0001 MH180442	X	X	4.87%	X	420	X	896	X	60	5
0002 MH180443	X	X	6.78%	11	431	X	1335	X	92	11
0003 MH180444	X	X	5.57%	X	492	X	3000	X	77	6
0004 MH180445	X	X	7.82%	X	680	X	5107	X	78	8
0005 MH180446	0.011	X	7.67%	11	650	X	3278	X	86	9
0006 MH180447	X	X	5.55%	X	398	X	3587	X	84	6
0007 MH180448	X	X	4.93%	X	397	X	2930	X	75	5
0008 MH180449	X	X	6.50%	X	559	X	2887	X	76	6
0009 MH180450	0.488	2.8	7.51%	62	1093	X	3.78%	1.9	110	25
0010 MH180451	0.006	X	4.82%	X	390	X	3213	X	57	3
0011 MH180457	0.005	X	5.68%	X	489	X	3332	X	80	6
0012 MH180458	0.025	X	6.83%	X	602	X	3014	X	81	8
0013 MH180459	X	X	4.79%	X	421	X	2791	X	71	6
0014 MH180460	X	X	6.78%	X	645	X	2682	0.9	85	5
0015 MH180461	X	X	5.97%	X	531	X	3108	X	73	6
0016 MH180462	X	X	5.67%	X	474	X	3310	X	81	6
0017 MH180463	X	X	7.75%	10	676	X	2581	0.5	81	8
0018 MH180467	X	X	5.17%	X	474	X	3223	X	72	6
0019 MH180468	X	X	5.92%	X	511	X	3273	X	77	7
0020 MH180469	X	X	6.91%	X	615	X	3077	1.7	81	7
0021 MH180470	X	X	5.07%	X	391	X	3434	X	66	5
0022 MH180471	X	X	9.16%	12	721	X	2246	0.7	85	10
0023 MH180472	X	X	7.48%	X	507	X	2704	X	76	8
0024 MH180478	X	X	6.70%	X	221	X	2948	X	74	7
CHECKS										
0001 MH180471	0.005	X	9.04%	X	717	X	2231	0.7	86	11
STANDARDS										
0001 MEB-1	0.104									
0002 OREAS 25a		X	9.26%	20	147	X	2970	X	40	6
BLANKS										
0001 Control Blank	X	X	X	X	X	X	X	X	X	X



ELEMENTS	Cr	Cu	Fe	K	La	Li	Mg	Mn	Mo	Na
UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	5	1	0.01	20	20	1	20	1	2	20
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE
SAMPLE NUMBERS										
0001 MH180442	37	13	1.89	2.06%	29	13	2842	194	X	2347
0002 MH180443	45	20	3.32	1.99%	37	24	4409	326	X	2414
0003 MH180444	35	16	2.20	1.70%	44	14	5022	253	X	1.03%
0004 MH180445	52	24	3.11	3.20%	44	22	8281	297	X	8962
0005 MH180446	51	19	2.93	2.96%	41	21	7429	301	X	1.03%
0006 MH180447	43	32	2.40	1.82%	42	14	4990	302	X	1.43%
0007 MH180448	30	7	1.90	1.70%	37	13	3962	254	X	1.24%
0008 MH180449	41	12	2.54	2.51%	39	18	5715	297	X	1.21%
0009 MH180450	163	3695	6.00	2.14%	61	12	1.83%	833	65	2.26%
0010 MH180451	25	8	1.65	1.60%	28	11	3539	253	X	1.33%
0011 MH180457	38	3	2.23	2.16%	39	16	4942	287	X	1.26%
0012 MH180458	47	8	2.76	2.82%	41	20	6310	324	X	1.15%
0013 MH180459	28	10	1.78	1.73%	36	12	3905	221	X	1.06%
0014 MH180460	43	14	2.66	2.81%	47	21	6183	326	X	9945
0015 MH180461	37	23	2.23	2.26%	37	17	5179	279	X	1.20%
0016 MH180462	40	11	2.21	2.10%	41	16	5067	276	X	1.19%
0017 MH180463	53	22	3.16	3.33%	43	24	7739	342	X	9165
0018 MH180467	34	13	1.99	1.79%	36	13	4423	273	X	1.34%
0019 MH180468	38	10	2.30	2.15%	40	17	5440	287	X	1.25%
0020 MH180469	46	13	2.74	2.69%	42	19	6520	303	X	1.18%
0021 MH180470	30	6	1.88	1.56%	34	12	4064	213	X	1.35%
0022 MH180471	61	22	3.54	3.67%	46	24	8980	259	X	8899
0023 MH180472	51	6	3.05	2.80%	41	19	7438	227	X	1.11%
0024 MH180478	45	16	2.08	1.63%	37	17	1.04%	138	X	1.61%
CHECKS										
0001 MH180471	61	21	3.52	3.68%	46	24	8997	258	X	8770
STANDARDS										
0001 MEB-1										
0002 OREAS 25a	116	31	6.73	4920	31	38	3101	477	2	1371
BLANKS										
0001 Control Blank	X	X	X	X	X	2	X	X	X	X



ELEMENTS	Ni	P	Pb	S	Sb	Sc	Sn	Sr	Te	Ti
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION LIMIT	1	50	5	50	5	1	5	1	5	5
DIGEST	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE
SAMPLE NUMBERS										
0001 MH180442	12	212	23	55	X	5	X	31	X	2177
0002 MH180443	22	186	34	X	X	8	6	42	X	2609
0003 MH180444	18	268	35	X	X	6	X	72	X	2205
0004 MH180445	25	425	27	X	X	9	8	57	X	2880
0005 MH180446	23	428	26	X	X	9	8	60	X	2823
0006 MH180447	17	448	28	X	X	6	X	75	X	2395
0007 MH180448	13	428	24	X	X	5	X	62	X	1923
0008 MH180449	18	473	18	X	X	7	8	57	X	2390
0009 MH180450	2220	1025	2094	3904	X	18	X	281	X	6915
0010 MH180451	15	380	18	X	X	4	X	73	X	1485
0011 MH180457	16	466	14	X	X	6	X	64	X	2267
0012 MH180458	20	497	20	X	X	7	5	57	X	2497
0013 MH180459	13	415	21	X	X	4	X	59	X	1803
0014 MH180460	20	494	22	X	X	7	7	50	X	2517
0015 MH180461	17	435	25	X	X	6	5	61	X	2127
0016 MH180462	16	445	26	X	X	6	X	64	X	2251
0017 MH180463	24	522	20	X	X	9	6	45	X	2846
0018 MH180467	14	433	36	X	X	5	5	63	X	2026
0019 MH180468	17	446	21	X	X	6	16	60	X	2322
0020 MH180469	20	512	16	X	X	8	23	55	X	2627
0021 MH180470	13	420	17	X	X	5	6	67	X	1871
0022 MH180471	27	531	10	X	X	11	11	35	X	3046
0023 MH180472	23	492	12	85	X	9	5	43	X	2750
0024 MH180478	20	476	18	189	X	7	9	37	X	2086
CHECKS										
0001 MH180471	27	541	11	X	X	11	9	34	X	3017
STANDARDS										
0001 MEB-1										
0002 OREAS 25a	45	514	21	516	X	13	X	45	X	9431
BLANKS										
0001 Control Blank	X	X	X	X	X	X	X	X	X	X



ELEMENTS	Tl	V	W	Zn
UNITS	ppm	ppm	ppm	ppm
DETECTION LIMIT	5	1	5	1
DIGEST	4A/	4A/	4A/	4A/
ANALYTICAL FINISH	OE	OE	OE	OE
SAMPLE NUMBERS				
0001 MH180442	X	37	X	67
0002 MH180443	X	64	X	179
0003 MH180444	X	38	X	424
0004 MH180445	X	55	X	466
0005 MH180446	X	54	X	255
0006 MH180447	X	33	X	95
0007 MH180448	X	26	X	45
0008 MH180449	X	38	X	56
0009 MH180450	X	146	X	1042
0010 MH180451	X	21	X	40
0011 MH180457	X	31	X	53
0012 MH180458	X	40	X	226
0013 MH180459	X	25	X	471
0014 MH180460	X	40	X	155
0015 MH180461	X	34	X	57
0016 MH180462	X	32	X	51
0017 MH180463	X	48	X	112
0018 MH180467	X	28	X	66
0019 MH180468	X	34	X	65
0020 MH180469	X	42	X	271
0021 MH180470	X	26	X	44
0022 MH180471	X	57	9	78
0023 MH180472	X	47	6	42
0024 MH180478	X	40	X	89
CHECKS				
0001 MH180471	X	58	9	79
STANDARDS				
0001 MEB-1				
0002 OREAS 25a	X	155	X	45
BLANKS				
0001 Control Blank	X	X	X	X



## METHOD CODE DESCRIPTION

Method Code	Analysing Laboratory NATA Laboratory Accreditation	NATA Scope of Accreditation
4A/OE	Intertek Genalysis Perth <b>3244 3237</b> Multi-acid digest including Hydrofluoric, Nitric, Perchloric and Hydrochloric acids in Teflon Tubes. Analysed by Inductively Coupled Plasma Optical (Atomic) Emission Spectrometry.	<b>4A/ : MPL_W002, OE : ICP_W004</b>
FA25/OE	Intertek Genalysis Perth <b>3244 3237</b> 25g Lead collection fire assay. Analysed by Inductively Coupled Plasma Optical (Atomic) Emission Spectrometry.	<b>FA25/ : FA_W001, OE : ICP_W004</b>