



# Jinning Testing & Inspection

## Analytical Report

<b>JOB NUMBER</b>	JTI1910320a	Part 1 of 6
<b>REPORT DATE</b>	November 01 2019	
<b>SAMPLES</b>	349	
<b>DATE RECEIVED</b>	October 22 2019	

**AUTHORISATION**

A handwritten signature in black ink, appearing to read 'Rick Pearce'.

Rick Pearce - Laboratory Manager

<b>CLIENT</b>	Hanking Australia Investment Pty Ltd
<b>ADDRESS</b>	Level 26, 140 St. George Tce, Perth
<b>CONTACT</b>	<a href="mailto:Fan.Wu@hanking.com.au">Fan.Wu@hanking.com.au</a>

<b>PROJECT</b>	TG Ore & waste-ore sorting
<b>P/O#</b>	MB13 BULK#1

All orders are accepted and all reports and certificates issued subject to the Terms and Conditions of Service which are attached separately.

Tyler Huang  
Managing Director  
14 Bell Street, Canning Vale, WA, 6155  
JINNING PTY LTD  
T: +61 8 6107 4655  
M: 0432 711 220  
[E: tyler.huang@jinning.com.au](mailto:tyler.huang@jinning.com.au)  
[www.jinning.com.au](http://www.jinning.com.au)

Rick Pearce MRACI CChem  
Laboratory Manager  
14 Bell Street, Canning Vale, WA, 6155  
JINNING PTY LTD  
T: +61 8 6107 4655  
M: 0439 640 292  
[E: rick.pearce@jinning.com.au](mailto:rick.pearce@jinning.com.au)  
[www.jinning.com.au](http://www.jinning.com.au)

JTI1910320a	Au1	Au2	Au3	WT1	OW
Scheme	FA50A	FA50A	FA50A	Weight	Weight
Units	ppm	ppm	ppm	g	kg
Detection Limit	0.01	0.01	0.01	0.01	0.1
<b>Blank 1</b>	<b>&lt;0.01</b>			<b>50.00</b>	
A02101	0.01			48.62	1.4
A02102	0.02			49.33	0.7
A02103	0.01			50.96	0.9
A02104	0.02			50.57	2.1
A02105	0.02			49.38	0.8
A02106	0.03			50.66	1.2
A02107	0.01			49.41	0.8
A02108	<0.01			48.63	1.7
A02109	<0.01			49.71	1.9
A02110	<0.01			51.92	2.0
A02111	<0.01			51.14	1.2
A02112	<0.01			50.02	1.4
A02113	<0.01			49.67	1.4
A02114	0.01			49.24	2.1
<b>Nominal</b>	<b>0.78</b>				
<b>STD 1 AUOE-12</b>	<b>0.78</b>			<b>31.73</b>	
A02115	<0.01			50.50	1.2
A02116	0.05			49.23	3.1
A02117	<0.01			49.13	2.7
A02118	0.01			48.88	1.7
A02119	<0.01			48.77	2.1
A02120	0.37	0.36		31.77	0.1
A02121	<0.01			49.81	1.9
A02122	<0.01			48.51	2.1
A02122Rpt	<0.01			50.62	
A02123	<0.01			49.59	1.2
A02124	<0.01			50.12	1.1
A02125	0.01			49.47	1.1
A02126	<0.01			49.93	0.9
A02127	<0.01			49.57	4.6
A02128	<0.01			49.34	3.8
A02129	0.02			50.89	2.8
A02130	<0.01			49.77	4.9
A02131	<0.01			49.82	4.0
A02132	<0.01			49.71	3.3
A02133	<0.01			51.06	2.2
A02133Rpt	<0.01			50.99	
A02134	<0.01			50.10	1.5
A02135	<0.01			50.12	1.1
A02136	<0.01			48.84	0.9
A02137	<0.01			50.46	3.3

JTI1910320a	Au1	Au2	Au3	WT1	OW
Scheme	FA50A	FA50A	FA50A	Weight	Weight
Units	ppm	ppm	ppm	g	kg
Detection Limit	0.01	0.01	0.01	0.01	0.1
A02138	<0.01			51.38	3.7
A02139	0.01			49.21	3.4
<b>Nominal</b>	<b>3.77</b>				
<b>STD 2 AUSK-7</b>	<b>3.66</b>			<b>28.54</b>	
A02140	1.06			29.49	0.1
A02141	<0.01			49.77	3.9
A02142	<0.01			48.75	1.7
A02143	0.01			48.30	3.8
A02144	<0.01			49.80	3.6
A02145	<0.01			51.21	0.6
A02146	<0.01			51.17	1.9
<b>Blank 2</b>	<b>&lt;0.01</b>			<b>50.00</b>	
A02147	<0.01			48.95	3.7
A02148	<0.01			48.81	1.0
A02149	0.01			48.54	1.0
A02150	<0.01			49.01	3.0
A02151	0.04			49.87	3.3
A02152	0.03			48.78	1.4
A02153	0.02			49.26	1.2
A02154	<0.01			48.55	1.9
A02155	<0.01			49.51	2.7
<b>Nominal</b>	<b>2.50</b>				
<b>STD 3 AUOI-6</b>	<b>2.45</b>			<b>30.39</b>	
A02156	0.02			50.07	2.2
A02157	0.01			50.88	2.6
A02158	0.01			50.26	0.5
A02159	0.12	0.13		51.02	1.0
A02160	2.01			30.39	0.1
A02161	0.04			48.57	0.9
A02162	0.03			48.17	1.7
A02162Rpt	0.04			50.20	
A02163	0.05			51.10	1.3
A02164	0.02			50.48	1.3
A02165	0.02			50.94	0.5
A02166	0.01			48.77	1.0
A02167	<0.01			48.33	2.0
A02168	<0.01			48.68	3.4
A02169	<0.01			49.84	2.4
A02170	0.01			48.61	3.2
A02171	0.02			49.96	1.1
A02172	<0.01			48.56	0.6
A02173	0.01			49.95	0.7

JTI1910320a	Au1	Au2	Au3	WT1	OW
Scheme	FA50A	FA50A	FA50A	Weight	Weight
Units	ppm	ppm	ppm	g	kg
Detection Limit	0.01	0.01	0.01	0.01	0.1
A02174	0.01			48.54	0.8
A02175	<0.01			48.91	2.3
<b>Nominal</b>	<b>0.78</b>				
<b>STD 4 AUOE-12</b>	<b>0.79</b>			<b>28.96</b>	
A02176	<0.01			49.78	2.5
A02177	<0.01			51.09	2.9
A02178	0.03			10.41	3.4
A02179	<0.01			50.43	0.6
A02180	<0.01			30.61	0.1
A02181	<0.01			48.80	1.6
A02181Rpt	<0.01			49.12	
A02182	<0.01			50.02	1.6
A02183	<0.01			49.88	3.2
A02184	<0.01			50.33	2.9
A02185	0.01			49.93	2.7
A02186	<0.01			49.68	0.9
A02187	<0.01			50.88	2.0
A02188	<0.01			49.72	3.0
A02189	0.01			51.44	2.3
A02190	0.01			49.69	3.9
A02191	0.01			50.60	3.8
A02192	<0.01			50.08	1.6
<b>Blank 3</b>	<b>&lt;0.01</b>			<b>50.00</b>	
A02193	<0.01			50.85	3.0
A02194	0.05			10.07	4.7
A02195	0.03			10.18	3.7
A02196	0.02			9.65	3.6
A02196Rpt	0.01			9.64	
A02197	0.05			49.88	1.8
A02198	0.02			50.42	3.2
A02199	0.04			50.44	1.3
A02200	<0.01			31.19	0.1
A02201	S.N.R.				
A02202	0.03			51.02	1.7
A02203	0.08	0.07		49.15	1.2
<b>Nominal</b>	<b>2.92</b>				
<b>STD 5 AUOJ-8</b>	<b>2.92</b>			<b>29.14</b>	
A02204	0.08			49.49	1.0
A02205	0.02			50.44	0.7
A02206	0.02			49.12	0.9
A02207	<0.01			50.68	1.4
A02208	0.01			50.74	0.8

JTI1910320a	Au1	Au2	Au3	WT1	OW
Scheme	FA50A	FA50A	FA50A	Weight	Weight
Units	ppm	ppm	ppm	g	kg
Detection Limit	0.01	0.01	0.01	0.01	0.1
A02209	<0.01			51.70	1.2
A02210	0.02			48.01	0.7
A02211	0.03			50.51	1.1
A02212	0.03			49.74	1.8
A02213	0.02			49.71	2.1
A02214	0.01			50.53	2.2
A02215	<0.01			48.89	3.3
A02216	0.05			49.42	2.0
A02217	0.01			50.83	2.0
A02218	0.04			49.46	2.6
A02219	0.03			51.31	2.5
A02220	2.04			28.72	0.1
A02221	0.03			48.97	1.3
A02222	0.02			50.14	3.0
A02223	0.01			50.28	1.8
A02223Rpt	0.01			49.73	
A02224	0.02			48.95	0.8
A02225	0.01			48.81	2.4
A02226	<0.01			51.38	1.6
A02227	<0.01			48.94	2.2
A02228	<0.01			48.10	2.3
A02229	<0.01			50.38	4.9
A02230	<0.01			51.19	2.4
A02231	0.03			51.34	2.0
A02232	<0.01			49.95	3.5
<b>Nominal</b>	<b>3.77</b>				
<b>STD 6 AUSK-7</b>	<b>3.74</b>			<b>30.18</b>	
A02233	<0.01			51.25	2.1
A02234	0.01			50.34	3.1
A02235	<0.01			50.38	4.2
A02236	0.02			49.52	4.0
A02237	<0.01			50.44	0.8
A02238	<0.01			50.54	2.0
<b>Blank 4</b>	<b>&lt;0.01</b>			<b>50.00</b>	
A02239	0.01			50.56	3.6
A02240	0.38	0.37		29.11	0.1
A02241	0.01			48.98	2.6
A02242	<0.01			48.76	3.7
A02243	0.01			49.85	2.7
A02244	<0.01			50.96	2.9
A02245	<0.01			48.52	3.1
A02246	<0.01			49.90	2.6
<b>Nominal</b>	<b>0.78</b>	<b>0.78</b>			
<b>STD 7 AUOE-12</b>	<b>0.78</b>	<b>0.77</b>		<b>30.72</b>	

<b>JTI1910320a</b>	<b>Au1</b>	<b>Au2</b>	<b>Au3</b>	<b>WT1</b>	<b>OW</b>
Scheme	FA50A	FA50A	FA50A	Weight	Weight
Units	ppm	ppm	ppm	g	kg
Detection Limit	0.01	0.01	0.01	0.01	0.1
A02247	<0.01			49.28	2.6
A02248	0.02			49.33	4.2
A02249	0.01			49.82	1.0
A02250	<0.01			48.45	1.6
A02251	0.01			48.92	4.2
A02252	<0.01			51.54	2.5
A02253	<0.01			49.73	2.9
A02253Rpt	0.02			48.18	
A02254	<0.01			48.75	3.4
A02255	<0.01			49.88	3.6
A02256	<0.01			49.67	2.6
A02257	<0.01			50.45	3.4
A02258	0.02			48.67	3.7
A02259	0.02			51.01	3.4
A02260	0.74			28.49	0.1
A02261	0.02			50.09	3.0
A02262	0.01			50.38	4.1
A02263	0.01			49.19	2.6
A02264	<0.01			48.74	3.5
A02265	0.01			50.27	3.2
A02266	<0.01			50.33	3.7
A02267	<0.01			50.50	3.0
A02268	<0.01			49.57	3.8
A02269	0.01			48.11	3.1
A02270	<0.01			48.89	3.3
A02271	<0.01			50.68	2.6
A02272	<0.01			49.93	3.1
A02273	<0.01			49.83	3.2
<b>Nominal</b>	<b>2.50</b>				
<b>STD 8 AUOI-6</b>	<b>2.47</b>			<b>30.72</b>	
A02274	<0.01			50.54	0.9
A02275	0.01			50.42	3.6
A02276	<0.01			48.84	1.7
A02277	<0.01			51.66	4.4
A02278	0.01			51.65	3.1
A02279	<0.01			50.56	3.2
A02280	0.83	0.85		29.80	0.1
A02281	0.04			50.40	0.3
A02282	0.03			50.92	2.4
A02283	0.08			49.06	0.5
A02284	0.06			48.25	0.5
<b>Blank 5</b>	<b>&lt;0.01</b>			<b>50.00</b>	
A02285	0.05			50.12	1.4
A02286	0.08			50.21	1.2
A02287	0.04			51.07	0.4

<b>JTI1910320a</b>	<b>Au1</b>	<b>Au2</b>	<b>Au3</b>	<b>WT1</b>	<b>OW</b>
Scheme	FA50A	FA50A	FA50A	Weight	Weight
Units	ppm	ppm	ppm	g	kg
Detection Limit	0.01	0.01	0.01	0.01	0.1
A02288	0.02			49.91	1.6
A02288Rpt	0.02			49.61	
<b>Nominal</b>	<b>2.92</b>				
<b>STD 9 AUOJ-8</b>	<b>2.94</b>			<b>29.51</b>	
A02289	0.02			49.03	2.2
A02290	0.02			49.38	1.7
A02291	0.02			49.92	2.5
A02292	<0.01			50.60	1.5
A02293	<0.01			49.48	2.2
A02294	0.02			49.48	1.3
A02295	<0.01			48.24	1.7
A02296	0.03			50.53	2.4
A02297	0.01			50.86	2.1
A02298	<0.01			49.88	0.9
A02299	<0.01			50.14	1.7
A02300	0.38			29.82	0.1
A02301	0.01			51.89	2.5
A02302	<0.01			51.11	0.7
A02303	0.01			49.01	1.9
A02304	<0.01			48.33	1.6
A02305	0.01			50.29	2.0
A02306	<0.01			49.57	2.2
A02307	<0.01			48.14	2.8
A02308	<0.01			48.82	1.5
<b>Nominal</b>	<b>0.78</b>				
<b>STD10 AUOE-12</b>	<b>0.78</b>			<b>31.56</b>	
A02309	0.01			50.24	1.9
A02310	<0.01			50.40	2.8
A02311	0.01			51.97	1.3
A02312	<0.01			51.71	2.5
A02313	0.03			49.40	3.3
A02314	0.04			49.09	2.6
A02315	0.08			49.77	0.8
A02316	0.05			48.97	1.8
A02317	0.02			51.82	2.9
A02318	0.02			49.11	3.5
A02319	0.04			48.75	2.4
A02320	2.01			29.31	0.1
A02321	0.09			51.33	2.9
A02322	0.03			50.40	2.3
A02323	0.06			48.73	2.5
A02324	0.04			50.96	0.7
A02325	0.03			50.86	2.6
A02325Rpt	0.03			49.60	
A02326	0.06			50.29	2.2

JTI1910320a	Au1	Au2	Au3	WT1	OW
Scheme	FA50A	FA50A	FA50A	Weight	Weight
Units	ppm	ppm	ppm	g	kg
Detection Limit	0.01	0.01	0.01	0.01	0.1
A02327	0.11	0.11		49.95	3.0
A02328	0.04			50.40	0.6
A02329	0.05			51.49	1.1
A02329Rpt	0.04			48.41	
<b>Blank 6</b>	<b>&lt;0.01</b>			<b>50.00</b>	
A02330	0.03			49.69	2.4
A02331	0.04			50.53	0.5
A02332	0.05			49.72	2.6
A02333	0.05			48.73	0.7
A02334	0.01			50.68	1.2
A02335	0.03			50.14	1.1
A02336	0.03			50.38	3.1
A02337	0.02			49.69	0.9
<b>Nominal</b>	<b>1.99</b>				
<b>STD 11 AUOH-6</b>	<b>1.98</b>			<b>29.69</b>	
A02338	0.04			51.36	1.3
A02339	0.04			50.42	1.2
A02340	<0.01			31.09	0.1
A02341	0.04			51.71	0.7
A02342	0.04			51.90	0.7
A02343	0.05			48.34	1.1
A02344	0.02			51.62	0.7
A02345	0.02			51.58	0.6
A02346	0.02			51.95	3.4
A02347	0.02			48.76	1.6
A02348	0.01			49.00	4.5
A02349	0.02			51.75	1.6
A02350	0.02			49.72	2.6
A02351	0.06	0.05		49.85	2.5
A02352	0.01			49.11	0.8
A02353	0.01			49.98	1.4
A02354	0.01			48.92	0.4
A02354Rpt	0.02			49.70	
A02355	0.01			49.29	0.6
A02356	0.01			51.22	1.2
A02357	0.02			49.88	1.4
A02358	0.01			50.70	0.8
A02359	0.03			49.79	0.6
A02360	0.37			31.04	0.1
A02361	0.02			49.39	0.6
A02362	0.04			48.30	0.8
A02363	0.02			49.99	0.5

JTI1910320a	Au1	Au2	Au3	WT1	OW
Scheme	FA50A	FA50A	FA50A	Weight	Weight
Units	ppm	ppm	ppm	g	kg
Detection Limit	0.01	0.01	0.01	0.01	0.1

<b>Nominal</b>	<b>3.77</b>				
<b>STD 12 AUSK-7</b>	<b>3.80</b>			<b>30.94</b>	
A02364	0.04			50.74	0.5
A02365	0.04			50.51	0.5
HKR03603	0.10	0.10		51.45	0.6
HKR03604	0.08			50.82	3.4
HKR03605	0.08			51.31	3.2
HKR03606	0.05			51.07	2.8
HKR03607	0.20			51.17	1.8
HKR03608	0.15			51.51	3.0
HKR03609	0.24	0.23		49.97	3.1
HKR03610	0.07			50.57	2.4
HKR03611	0.31	0.32		48.52	0.9
HKR03612	0.13			50.35	3.3
HKR03612Rpt	0.16			50.63	
<b>Blank 7</b>	<b>&lt;0.01</b>			<b>50.00</b>	
HKR03613	0.03			51.31	2.5
HKR03614	0.02			50.03	4.1
HKR03615	0.16			52.17	4.1
HKR03616	0.10			48.77	3.7
HKR03617	0.59	0.54		51.31	2.0
HKR03618	0.07			49.17	2.9
HKR03619	0.15			49.76	3.6
HKR03620	0.75	0.98		31.13	0.1
HKR03621	0.09			51.36	3.9
HKR03622	0.23			51.79	3.4
HKR03623	0.38			49.53	0.8
HKR03624	0.41			50.64	2.4
HKR03625	0.20			48.98	0.6
HKR03626	0.04			50.40	2.4
HKR03627	0.07			51.13	3.5
<b>Nominal</b>	<b>2.50</b>				
<b>STD 13 AUOI-6</b>	<b>2.55</b>			<b>29.48</b>	
HKR03628	0.03			51.64	3.2
HKR03629	1.05	0.96		50.12	4.6
HKR03630	0.02			50.57	4.2
HKR03631	0.03			48.16	2.9
HKR03632	0.11			50.18	5.0
HKR03633	0.50	0.36		49.39	4.1
HKR03634	0.41			48.98	4.7
HKR03635	0.05			49.32	3.6
HKR03636	0.05			49.39	3.4

<b>JTI1910320a</b>	<b>Au1</b>	<b>Au2</b>	<b>Au3</b>	<b>WT1</b>	<b>OW</b>
Scheme	FA50A	FA50A	FA50A	Weight	Weight
Units	ppm	ppm	ppm	g	kg
Detection Limit	0.01	0.01	0.01	0.01	0.1

HKR03637	0.05			50.18	3.4
HKR03638	0.02			49.97	4.2
HKR03639	0.01			48.32	1.6
HKR03640	2.04			29.87	0.1
HKR03641	0.04			50.96	4.1
HKR03641Rpt	0.08			51.52	
<b>Nominal</b>	<b>2.92</b>				
<b>STD 14 AUOJ-8</b>	<b>2.89</b>			<b>29.82</b>	
HKR03642	0.07			50.63	4.0
HKR03643	0.04			51.87	3.3
HKR03644	0.09			49.07	1.9
HKR03645	0.12			49.98	3.7
HKR03646	0.03			50.50	3.1
HKR03647	0.10			48.70	2.6
HKR03648	0.07			51.37	2.4
HKR03649	0.06			50.67	3.0
HKR03650	0.05			51.14	2.3
HKR03651	0.42	0.43		51.09	3.3
HKR03652	0.14			51.34	2.8
HKR03653	0.04			48.80	2.7
HKR03654	0.01			50.68	2.3
HKR03655	0.04			51.10	2.7
HKR03656	0.56	0.58		50.77	2.2
HKR03657	0.14			50.73	2.3
HKR03658	0.35			49.37	1.5
<b>Blank 8</b>	<b>&lt;0.01</b>			<b>50.00</b>	
HKR03659	0.24			50.35	3.7
HKR03660	0.38			31.65	0.1
HKR03661	0.02			50.27	3.1
HKR03662	0.04			49.24	3.8
HKR03663	0.02			50.18	2.7
HKR03664	0.03			51.90	3.3
HKR03665	0.01			51.10	2.8
HKR03666	0.04			51.08	3.4
HKR03667	0.02			49.37	2.7
HKR03668	0.02			49.15	1.8
HKR03668Rpt	0.02			51.23	
HKR03669	0.05			50.71	2.9
HKR03670	0.04			50.24	3.6
HKR03671	0.03			49.39	3.1
HKR03672	0.02			49.83	0.5
HKR03673	0.01			49.84	2.9

**JTI1910320a**

	<b>Au1</b>	<b>Au2</b>	<b>Au3</b>	<b>WT1</b>	<b>OW</b>
Scheme	FA50A	FA50A	FA50A	Weight	Weight
Units	ppm	ppm	ppm	g	kg
Detection Limit	0.01	0.01	0.01	0.01	0.1

HKR03674	0.04			50.55	1.4
HKR03675	0.05			50.13	3.6
HKR03676	0.04			49.54	1.7
HKR03677	0.03			49.31	1.7
HKR03678	0.02			48.60	1.6
HKR03679	0.02			49.55	0.5
HKR03680	0.77			30.31	0.1
HKR03681	<0.01			49.28	0.8
HKR03682	0.01			49.03	1.2
HKR03683	<0.01			48.65	0.9
HKR03684	0.01			49.16	1.2
HKR03685	0.02			51.30	1.3
HKR03685Rpt	0.02			50.26	
HKR03686	0.02			50.57	0.6
<b>Nominal</b>	<b>1.99</b>				
<b>STD 15 AUOH-6</b>	<b>1.95</b>			<b>31.34</b>	

**S.N.R.**

Sample not received.

**OW**

Weight of sample (including bag) delivered to laboratory.

**WT1**

Weight of sample used for analysis.

**SCHEME FA50A/FA30A**

A nominal charge sample of 50g/30g is fired and cupelled as per the classical lead collection fire assay process. The noble metal prill is parted with nitric acid, dissolved in aqua regia and diluted for analysis. Analyses are performed via AAS.

Due to the nature of some samples charge weights may have been reduced.