



Bureau Veritas Minerals Pty Ltd

ABN: 30 008 127 802



MINERAL TESTING & LABORATORY SERVICES

58 Sorbonne Crescent Canning Vale  
Perth WA 6155 Australia

Telephone (08) 9456 0404  
Facsimile (08) 9456 0403

Reference: **u251973**  
Date Finished: 26/11/2014  
Order:  
Project:  
Date Received: 19/11/2014  
Samples Analysed: **162**

## **FINAL ANALYSIS REPORT**

### **Analysis of Mineral Samples**

for

**Redbank Copper Ltd**

24 Mumford Place  
Balcatta Perth WA 6021

**Attention:** Mr. Jason Boladeras

**Authorised By:**

Stephen Boyd

General Manager

Bureau Veritas Minerals Pty Ltd



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	Ag ppm	As ppm	Ba ppm	Bi ppm	Ce ppm	Er ppm	Eu ppm	La ppm
Detection Limit	0.5	1	1	0.1	0.1	0.05	0.05	0.1
REDR304	<0.5	95	649	2.4	75.1	4.20	1.35	31.0
REDR305	<0.5	2	582	<0.1	9.4	0.50	0.40	5.5
REDR306	1.0	24	857	2.8	78.2	4.15	1.30	31.9
Std Nominal	12.0	190	165	3.7	27.3	1.50	1.05	14.5
Determined	11.5	187	153	3.5	26.2	1.55	1.05	13.5
REDR307	0.5	135	637	13.2	79.0	4.35	1.20	31.9
REDR308	1.0	106	472	11.0	86.8	4.15	1.25	34.4
REDR309	1.0	59	950	4.9	81.4	4.50	1.40	32.2
REDR310	0.5	23	1020	5.1	100	5.10	1.75	40.1
REDR311	1.0	29	769	7.1	76.1	4.80	1.65	30.1
REDR312	1.0	51	640	9.1	90.1	4.10	1.75	36.8
REDR313	<0.5	63	902	4.2	101	5.05	1.85	44.1
REDR314	0.5	52	995	4.1	148	6.40	2.05	81.3
REDR314 Rpt	<0.5	49	1020	4.1	147	6.25	1.95	82.0
REDR315	<0.5	38	1290	3.9	88.6	6.10	2.05	35.4
REDR316	0.5	86	1140	10.6	56.9	4.85	1.80	23.3
REDR317	<0.5	21	917	2.8	124	6.25	1.70	46.0
REDR318	<0.5	15	643	2.5	77.7	5.20	1.30	29.9
REDR319	1.0	22	567	2.4	67.2	4.70	1.05	27.2
REDR320	<0.5	49	511	6.6	66.9	4.35	1.10	26.4
REDR321	<0.5	240	464	5.0	57.8	3.90	1.05	25.4
REDR322	<0.5	32	466	3.8	58.4	4.55	1.30	25.5
REDR323	<0.5	21	430	1.4	56.1	4.80	1.25	24.0
REDR324	<0.5	16	690	1.4	75.4	4.65	1.55	29.2
REDR325	<0.5	1	320	<0.1	31.6	0.45	0.55	15.8
REDR326	<0.5	7	827	0.5	63.9	4.20	1.50	24.7
REDR327	<0.5	9	834	0.8	75.7	4.25	1.70	29.4
REDR328	<0.5	2	584	<0.1	9.6	0.50	0.40	5.4
REDR329	<0.5	4	779	0.4	71.1	4.20	1.50	26.0
REDR330	<0.5	9	808	0.2	69.8	4.10	1.50	26.8
REDR331	<0.5	9	914	0.2	81.4	4.65	1.40	31.3
REDR332	<0.5	8	554	0.3	64.6	5.15	1.50	28.6
REDR333	<0.5	130	786	1.8	66.0	5.15	1.70	25.1
REDR334	<0.5	133	837	2.1	55.9	5.20	1.80	24.0
REDR335	<0.5	141	1220	1.9	42.4	5.80	1.85	17.4
REDR336	<0.5	244	499	2.3	80.0	6.10	1.80	30.7
REDR337	<0.5	78	453	1.3	80.2	5.90	1.55	31.1
Std Nominal	6.0	100	132	3.0				
Determined	6.0	96	122	2.8	20.1	2.00	1.05	9.4



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	Ag ppm	As ppm	Ba ppm	Bi ppm	Ce ppm	Er ppm	Eu ppm	La ppm
Detection Limit	0.5	1	1	0.1	0.1	0.05	0.05	0.1
REDR338	<0.5	5	458	0.1	82.0	5.55	1.80	32.4
REDR339	<0.5	4	467	<0.1	116	5.85	1.95	44.2
REDR340	<0.5	8	380	<0.1	110	5.95	1.85	43.0
REDR341	<0.5	7	381	0.1	82.7	5.40	1.70	32.7
REDR342	<0.5	3	412	<0.1	82.7	5.80	1.65	31.8
REDR343	<0.5	6	378	<0.1	97.7	5.40	1.75	38.0
REDR344	<0.5	4	400	0.1	85.2	4.80	1.90	34.9
REDR345	<0.5	4	502	<0.1	77.4	4.15	1.70	31.0
REDR346	<0.5	31	562	0.3	94.6	3.90	1.65	36.5
REDR346 Rpt	<0.5	32	524	0.3	90.9	3.80	1.65	35.9
REDR347	1.0	297	14	15.4	28.5	0.40	0.35	14.6
REDR348	<0.5	49	503	0.3	72.0	3.80	1.55	29.4
REDR349	<0.5	5	613	0.1	81.9	3.85	1.70	32.1
REDR350	<0.5	7	546	0.2	73.6	4.15	1.80	28.7
REDR351	<0.5	20	666	0.6	39.6	4.80	1.85	16.4
REDR352	<0.5	32	638	1.2	38.5	5.60	1.95	16.4
REDR353	<0.5	7	866	0.2	53.2	5.00	1.80	28.5
REDR354	<0.5	3	571	<0.1	8.6	0.50	0.40	5.8
REDR354 Rpt	<0.5	2	552	<0.1	9.0	0.55	0.35	5.6
REDR355	<0.5	3	461	0.2	40.2	5.35	1.35	17.5
REDR356	<0.5	2	398	0.1	70.9	5.05	1.65	28.2
REDR357	<0.5	4	361	<0.1	76.0	4.55	1.90	29.8
REDR358	<0.5	3	572	0.2	89.9	4.85	1.95	36.2
REDR359	<0.5	2	624	<0.1	88.2	4.95	1.90	36.1
REDR360	<0.5	2	429	<0.1	78.8	5.10	1.80	32.0
REDR361	<0.5	2	567	<0.1	67.6	4.10	1.70	28.0
REDR362	<0.5	1	687	<0.1	68.5	4.00	1.80	29.2
REDR363	0.5	4	518	<0.1	72.5	4.20	1.95	30.7
REDR364	<0.5	7	522	0.1	74.0	4.30	1.95	30.2
REDR365	<0.5	2	1140	0.2	85.1	4.55	2.15	35.5
REDR366	<0.5	2	2420	<0.1	73.5	4.15	1.90	30.2
REDR367	4.0	391	11	34.0	26.0	0.55	0.35	14.0
REDR368	<0.5	3	2130	0.2	68.1	3.80	1.95	29.4
REDR369	0.5	37	996	7.8	98.5	5.50	2.10	44.1
Std Nominal	6.0	3	268	2.3				
Determined	6.0	3	287	2.4	32.1	0.65	0.75	15.3
REDR370	<0.5	28	1040	8.5	107	10.0	3.10	45.9
REDR371	<0.5	19	1490	3.1	77.1	6.40	2.05	29.3
REDR372	<0.5	15	1090	0.9	70.9	5.90	1.85	26.6



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<b>Detection Limit</b>	0.5	1	1	0.1	0.1	0.05	0.05	0.1
REDR373	<0.5	18	697	0.9	76.7	5.60	1.50	29.4
REDR373 Rpt	<0.5	19	710	0.9	73.2	5.85	1.55	28.5
REDR374	<0.5	18	857	0.9	77.4	6.05	1.50	29.6
REDR375	<0.5	15	833	1.8	56.8	5.30	1.55	24.6
REDR376	<0.5	22	921	4.0	65.5	5.25	1.80	25.2
REDR377	<0.5	24	914	4.8	74.2	5.60	1.75	28.8
Std Nominal	8.0							
Determined	7.5	9	289	16.1	76.3	2.65	0.95	33.5
REDR378	0.5	19	842	1.6	117	7.65	1.95	46.5
REDR379	<0.5	9	830	1.4	210	4.00	1.65	99.4
REDR380	<0.5	8	781	1.5	185	4.15	1.65	86.6
REDR381	<0.5	17	804	1.7	122	5.70	1.75	48.6
REDR382	<0.5	14	931	2.2	121	5.00	1.75	48.8
REDR383	<0.5	18	1020	2.5	146	7.55	2.40	65.9
REDR384	<0.5	11	996	2.5	135	4.60	1.65	64.3
REDR385	<0.5	11	946	2.5	119	5.60	2.05	49.4
REDR386	<0.5	13	771	6.9	109	4.25	1.80	43.7
REDR387	0.5	19	947	1.1	131	3.65	1.45	62.3
REDR388	<0.5	21	958	4.5	135	4.80	1.80	64.9
REDR389	<0.5	1	332	<0.1	33.0	0.40	0.55	16.5
REDR390	<0.5	28	1010	6.9	147	4.55	1.75	68.5
REDR391	<0.5	46	1060	4.0	139	4.35	1.70	65.9
REDR392	<0.5	32	941	21.8	110	4.35	1.45	46.5
REDR393	<0.5	50	1010	18.7	135	7.55	2.25	63.0
REDR394	<0.5	2	551	0.1	9.6	0.40	0.35	5.5
REDR395	<0.5	47	872	13.5	145	3.85	1.40	68.6
Std Nominal	12.0							
Determined	12.0	13	333	25.6	88.6	2.80	1.05	39.5
REDR396	<0.5	48	956	9.6	1060	4.65	1.70	49.2
REDR397	<0.5	71	1030	15.9	118	5.10	1.75	49.0
REDR398	0.5	130	884	49.6	121	3.85	1.35	50.0
REDR399	<0.5	148	869	48.4	116	3.65	1.35	50.4
REDR399 Rpt	<0.5	152	903	48.5	123	3.65	1.40	50.3
REDR400	<0.5	66	930	24.4	124	4.55	1.70	51.5
REDR401	<0.5	51	940	10.6	152	4.90	1.80	72.9
REDR402	<0.5	41	845	29.9	108	5.00	1.95	42.9
REDR403	0.5	47	836	11.4	129	4.95	1.80	61.4
REDR404	<0.5	62	891	8.4	162	5.25	2.05	74.3
REDR405	<0.5	39	885	5.9	155	4.90	1.90	75.0



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<b>Detection Limit</b>	0.5	1	1	0.1	0.1	0.05	0.05	0.1
REDR406	<0.5	18	943	3.7	145	5.85	2.20	68.1
REDR407	<0.5	17	1090	3.4	155	8.70	2.80	69.1
REDR408	<0.5	46	687	7.1	122	5.45	2.00	48.2
REDR409	<0.5	43	390	96.6	83.6	5.45	1.75	33.1
REDR410	<0.5	30	339	67.7	82.0	5.85	1.75	32.2
REDR411	<0.5	<1	330	<0.1	32.5	0.45	0.45	16.2
REDR412	0.5	124	822	56.4	181	3.90	1.65	86.2
REDR413	0.5	107	808	54.5	133	5.30	2.10	58.4
REDR414	<0.5	78	739	34.0	123	5.90	2.55	48.0
REDR415	0.5	173	492	23.8	94.0	5.15	1.80	37.4
REDR416	<0.5	65	332	18.4	74.1	5.45	1.40	28.9
REDR417	0.5	164	740	8.2	151	5.35	1.85	70.6
REDR418	1.0	257	609	34.4	117	6.35	2.05	45.0
REDR419	0.5	176	1020	11.9	86.9	5.05	2.65	32.9
REDR420	<0.5	2	546	0.3	10.8	0.50	0.35	6.1
REDR421	0.5	101	872	9.6	163	6.10	2.40	73.5
REDR422	7.0	203	700	30.9	88.4	4.90	1.80	35.8
Std Nominal	45.0	50		97.2				
Determined	43.5	47	203	101	59.3	1.85	0.65	27.7
REDR423	0.5	184	487	12.9	65.5	4.80	1.55	25.9
REDR424	<0.5	143	656	8.8	76.0	4.65	1.70	29.0
REDR425	2.0	238	967	12.2	122	5.55	2.10	48.6
REDR426	0.5	86	1110	5.3	134	7.05	2.65	62.8
REDR427	0.5	95	1090	4.6	108	7.20	2.55	43.2
REDR428	<0.5	85	1120	2.0	140	6.65	2.50	63.2
REDR429	0.5	93	1160	2.1	147	6.65	2.50	66.2
REDR430	<0.5	60	1030	1.2	154	6.40	2.70	72.0
REDR431	<0.5	70	815	1.2	74.9	4.35	1.55	30.0
REDR432	<0.5	42	831	1.1	69.3	4.10	1.40	27.9
REDR433	1.0	286	12	15.5	28.2	0.35	0.35	14.3
REDR434	<0.5	29	542	1.2	66.9	4.05	1.65	26.6
REDR435	<0.5	100	718	1.8	78.4	4.15	1.80	30.2
REDR436	0.5	68	907	1.3	166	5.65	2.15	79.0
REDR437	0.5	49	599	0.7	82.4	5.05	1.80	37.0
REDR438	<0.5	48	562	1.0	65.6	3.75	1.30	30.9
REDR438 Rpt	<0.5	50	588	0.9	68.5	3.90	1.40	33.2
REDR439	<0.5	102	643	1.7	73.9	4.40	1.50	33.0
REDR440	<0.5	15	414	1.1	57.1	3.85	1.30	25.4
REDR441	<0.5	34	634	1.4	55.8	3.65	1.50	21.7



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	Ag ppm	As ppm	Ba ppm	Bi ppm	Ce ppm	Er ppm	Eu ppm	La ppm
Detection Limit	0.5	1	1	0.1	0.1	0.05	0.05	0.1
REDR442	0.5	10	562	0.8	76.3	4.40	1.50	29.5
REDR443	0.5	49	664	0.8	88.8	4.80	2.40	33.6
REDR444	<0.5	93	529	1.4	71.2	4.20	2.30	28.0
REDR445	<0.5	52	390	1.4	46.6	3.60	2.10	19.4
REDR446	<0.5	3	586	<0.1	10.9	0.45	0.40	6.2
REDR446 Rpt	<0.5	3	572	<0.1	10.4	0.50	0.40	5.9
REDR447	<0.5	89	455	2.2	62.6	4.00	2.20	26.1
REDR448	0.5	103	719	1.7	58.9	3.90	1.65	22.6
Std Nominal	116	559	10		5.3	0.40	0.10	2.3
Determined	111	583	11	2.3	5.5	0.40	0.10	2.4
REDR449	<0.5	36	464	1.3	64.2	4.05	1.45	29.4
REDR450	<0.5	65	534	1.6	91.1	4.50	1.50	37.3
REDR451	0.5	26	615	1.4	62.4	4.60	1.45	27.5
REDR452	<0.5	15	939	1.1	61.3	4.50	1.65	26.0
REDR453	0.5	19	524	1.3	78.5	3.65	1.30	32.1
REDR454	4.5	397	12	34.3	27.1	0.55	0.35	14.4
REDR455	<0.5	18	409	1.2	71.8	4.25	1.35	28.4
REDR456	0.5	16	1230	1.8	67.4	4.50	1.55	26.5
REDR457	<0.5	28	630	1.5	83.2	5.00	1.85	32.9
REDR458	<0.5	78	493	2.4	72.1	4.40	1.40	29.2
REDR459	<0.5	73	610	2.4	74.2	4.35	1.50	30.1
REDR460	<0.5	70	442	2.4	77.8	4.20	1.35	31.0
REDR461	1.0	147	796	4.0	108	4.35	1.50	46.5
REDR462	<0.5	84	615	2.8	70.3	4.70	1.30	27.0
REDR463	<0.5	51	462	2.7	84.9	4.55	1.50	34.2
REDR464	1.0	45	641	0.8	104	5.70	2.00	39.2
REDR465	<0.5	105	871	1.5	110	4.70	1.65	44.0
REDR465 Rpt	<0.5	112	914	1.6	117	4.70	1.70	47.1
Std Nominal	12.0	190	165	3.7	27.3	1.50	1.05	14.5
Determined	12.5	203	164	3.7	27.8	1.50	1.05	14.4

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	Nb ppm	Nd ppm	Pb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	W ppm
<b>Detection Limit</b>	0.5	0.05	1	0.2	1	0.5	0.1	0.5
REDR304	15.0	34.3	14	121	2	11.0	0.9	8.0
REDR305	2.5	4.10	11	122	<1	189	0.2	<0.5
REDR306	15.0	33.9	11	136	2	13.5	0.9	4.0
Std Nominal	3.5	11.0	1030	24.8	4	48.0	0.3	3.5
Determined	4.0	10.4	1010	23.4	4	46.5	0.2	3.5
REDR307	14.5	36.4	30	139	2	8.0	0.9	6.0
REDR308	16.5	37.0	28	120	3	7.5	0.9	4.0
REDR309	16.0	34.8	11	140	1	12.0	1.0	1.5
REDR310	7.0	43.8	12	114	<1	10.5	0.4	1.5
REDR311	15.5	36.0	14	127	2	11.0	0.9	3.5
REDR312	14.5	37.3	21	121	3	30.0	1.0	4.0
REDR313	15.0	39.1	14	181	3	60.5	1.1	4.0
REDR314	17.5	52.8	12	232	5	106	1.2	4.5
REDR314 Rpt	18.0	53.3	13	228	4	109	1.2	4.5
REDR315	15.5	38.5	16	213	3	56.0	1.0	4.0
REDR316	14.0	30.0	18	178	4	25.0	0.8	3.5
REDR317	14.0	49.0	11	128	2	11.0	0.9	1.5
REDR318	14.5	33.8	9	113	2	8.0	0.9	1.5
REDR319	16.5	29.9	7	87.4	2	7.0	0.9	1.5
REDR320	16.5	30.4	24	113	2	6.0	1.0	1.5
REDR321	16.0	28.6	24	106	2	6.0	0.9	1.5
REDR322	17.5	30.7	21	104	2	8.0	1.0	2.5
REDR323	17.0	31.9	51	118	3	6.0	1.0	3.5
REDR324	17.5	34.6	16	117	2	8.5	0.9	3.5
REDR325	3.0	12.5	5	64.8	<1	20.5	0.2	2.0
REDR326	16.0	30.0	10	126	1	8.5	0.9	1.5
REDR327	14.0	34.3	8	129	2	9.5	0.8	4.0
REDR328	2.5	4.00	11	121	<1	197	0.2	<0.5
REDR329	14.5	31.8	5	102	1	8.0	0.8	1.0
REDR330	17.5	31.8	5	123	<1	7.5	1.0	1.5
REDR331	17.5	36.9	6	114	1	5.5	1.0	1.5
REDR332	16.0	32.8	7	112	1	5.5	0.9	2.0
REDR333	14.5	30.8	9	137	2	7.5	0.8	2.5
REDR334	13.0	31.0	10	153	2	8.5	0.7	2.5
REDR335	11.0	25.7	8	180	2	9.0	0.6	3.0
REDR336	11.0	34.9	11	131	2	8.5	0.6	4.5
REDR337	13.0	35.3	6	104	2	8.0	0.7	3.0
Std Nominal	4.0		510		2	104	<0.1	3.0
Determined	4.0	10.3	526	547	2	101	0.1	2.5



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale  
Perth WA 6155 Australia

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Reference: u251973 Order Number: Page 7 of 21

	Nb ppm	Nd ppm	Pb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	W ppm
Detection Limit	0.5	0.05	1	0.2	1	0.5	0.1	0.5
REDR338	13.5	37.6	4	108	2	9.0	0.6	1.0
REDR339	15.5	46.3	3	118	2	8.0	0.9	1.5
REDR340	15.5	46.0	3	128	3	9.0	0.9	1.5
REDR341	16.0	38.1	3	94.6	3	7.5	0.9	1.5
REDR342	16.5	36.9	3	95.8	3	8.0	1.0	1.5
REDR343	14.5	40.4	4	86.8	3	8.5	0.9	1.0
REDR344	13.5	36.8	5	104	2	12.5	0.8	1.0
REDR345	14.0	33.8	3	95.2	2	9.5	0.8	0.5
REDR346	16.0	40.2	9	97.2	2	7.5	1.0	1.0
REDR346 Rpt	16.0	39.3	9	92.4	2	7.5	0.9	1.0
REDR347	2.0	12.4	127	2.6	<1	1.0	0.1	2.0
REDR348	14.0	32.2	7	103	2	9.5	0.8	1.0
REDR349	12.5	35.4	6	115	2	10.0	0.7	4.5
REDR350	12.0	31.7	11	113	2	11.5	0.7	4.5
REDR351	12.0	22.7	6	118	2	17.0	0.7	2.5
REDR352	13.5	23.7	5	173	2	11.5	0.8	4.5
REDR353	12.5	26.2	6	163	2	17.5	0.7	1.5
REDR354	2.5	4.10	11	122	<1	196	0.2	0.5
REDR354 Rpt	2.5	4.00	11	118	<1	193	0.2	0.5
REDR355	14.5	22.9	17	186	2	8.5	0.9	1.0
REDR356	14.0	33.0	4	140	3	8.5	0.9	1.5
REDR357	13.0	32.6	5	136	2	15.0	0.7	1.0
REDR358	14.0	39.1	4	158	2	8.5	0.8	1.0
REDR359	14.0	37.8	3	117	2	7.5	0.9	1.0
REDR360	15.0	34.7	3	84.0	2	6.0	0.9	1.0
REDR361	11.5	30.1	3	62.0	2	7.5	0.6	2.0
REDR362	12.0	29.8	7	96.6	3	10.5	0.7	1.0
REDR363	13.0	32.8	8	119	2	11.0	0.7	1.5
REDR364	13.0	33.0	5	123	2	11.0	0.8	1.5
REDR365	14.5	36.1	5	85.2	2	8.5	0.9	1.0
REDR366	13.0	31.4	6	128	2	16.0	0.8	1.0
REDR367	2.0	11.9	500	3.2	<1	2.0	0.2	1.5
REDR368	11.5	30.6	7	106	2	21.0	0.7	0.5
REDR369	13.0	43.9	10	168	3	60.5	0.7	3.0
Std Nominal			60		4			
Determined	3.0	15.4	57	13.4	4	284	0.1	<0.5
REDR370	14.0	59.0	8	225	3	88.5	0.7	6.0
REDR371	14.0	35.8	7	211	2	56.5	0.8	3.0
REDR372	15.5	34.3	5	159	2	19.0	0.9	6.0





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Reference: u251973 Order Number: Page 8 of 21

	Nb ppm	Nd ppm	Pb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	W ppm
<b>Detection Limit</b>	0.5	0.05	1	0.2	1	0.5	0.1	0.5
REDR373	15.0	34.6	3	151	2	15.5	0.8	6.5
REDR373 Rpt	16.0	34.3	4	148	2	15.5	0.9	7.0
REDR374	16.0	35.4	3	147	3	16.0	0.9	7.0
REDR375	14.5	32.8	5	157	2	11.5	0.7	5.0
REDR376	15.0	31.6	5	159	2	12.0	0.8	5.0
REDR377	16.5	36.0	5	162	3	19.0	0.8	5.5
Std Nominal			66					
Determined	12.0	30.1	62	138	45	15.0	0.9	3.5
REDR378	17.5	49.2	6	179	6	48.5	0.9	6.0
REDR379	20.0	67.7	8	304	6	139	1.4	3.0
REDR380	21.0	61.2	7	263	6	118	1.6	3.0
REDR381	21.5	46.7	7	258	5	73.0	1.5	3.5
REDR382	22.5	43.8	9	283	6	82.5	1.6	3.5
REDR383	27.5	57.5	8	239	5	65.5	1.9	3.5
REDR384	22.5	47.7	9	284	7	90.0	1.7	3.5
REDR385	24.0	47.2	10	292	6	83.5	1.8	3.5
REDR386	19.0	42.3	8	283	5	73.0	1.3	3.0
REDR387	20.0	46.5	8	321	7	92.5	1.5	3.0
REDR388	23.0	49.4	23	295	6	101	1.7	3.5
REDR389	2.0	13.6	5	69.0	<1	20.0	0.2	2.0
REDR390	23.0	52.1	17	285	6	105	1.7	3.0
REDR391	22.0	51.8	12	305	7	104	1.6	3.0
REDR392	23.5	40.3	12	267	7	92.5	1.7	3.0
REDR393	27.0	51.9	12	230	5	80.0	1.9	3.5
REDR394	2.0	4.10	10	114	<1	183	0.2	<0.5
REDR395	21.0	48.0	11	269	6	104	1.6	3.0
Std Nominal								
Determined	13.0	31.6	95	149	63	18.5	0.9	4.0
REDR396	22.0	44.9	11	182	7	73.5	1.6	3.5
REDR397	28.0	44.8	16	293	7	86.5	1.6	3.5
REDR398	20.5	40.7	18	286	7	81.5	1.6	3.0
REDR399	20.0	40.3	17	300	6	85.5	1.6	3.0
REDR399 Rpt	21.5	41.4	16	294	7	83.5	1.6	3.0
REDR400	21.5	44.7	20	299	7	80.0	1.7	3.0
REDR401	24.5	55.5	24	286	6	96.0	1.7	3.5
REDR402	17.0	43.9	24	246	5	36.5	1.2	4.5
REDR403	21.0	48.4	23	242	6	67.0	1.4	3.5
REDR404	23.5	58.5	23	273	7	82.5	1.7	3.0
REDR405	23.5	52.6	29	289	6	89.0	1.7	3.5



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	Nb ppm	Nd ppm	Pb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	W ppm
Detection Limit	0.5	0.05	1	0.2	1	0.5	0.1	0.5
REDR406	26.0	53.7	37	286	7	87.0	2.0	3.5
REDR407	31.5	63.2	21	201	4	47.5	2.0	3.5
REDR408	20.5	47.4	33	220	5	51.0	1.3	8.5
REDR409	13.0	37.6	24	163	2	14.5	0.6	3.5
REDR410	1.0	38.1	29	167	1	12.5	0.2	2.5
REDR411	2.5	12.8	6	70.0	<1	20.5	0.1	<0.5
REDR412	22.0	63.1	25	298	7	99.0	1.7	4.0
REDR413	19.5	54.1	31	235	5	57.0	1.2	4.5
REDR414	16.0	53.2	22	221	4	42.0	0.9	2.5
REDR415	13.5	41.1	19	181	3	27.5	0.7	5.0
REDR416	2.5	36.5	23	152	<1	13.0	0.1	1.5
REDR417	21.0	58.7	17	231	5	69.5	1.2	5.0
REDR418	19.5	50.6	40	189	4	31.5	1.1	6.0
REDR419	18.5	41.3	20	209	3	26.0	1.0	3.5
REDR420	2.5	4.45	10	125	<1	200	0.2	0.5
REDR421	19.5	62.3	20	216	4	63.5	1.4	3.0
REDR422	15.0	40.5	37	188	3	23.0	0.9	4.0
Std Nominal			345		206			
Determined	8.0	22.0	338	82.4	193	12.0	0.5	4.0
REDR423	14.0	30.2	20	189	3	13.5	0.7	3.0
REDR424	14.5	35.9	17	153	3	16.0	0.7	4.5
REDR425	22.0	49.6	27	218	4	29.0	1.1	6.0
REDR426	29.0	54.8	17	159	4	15.5	1.9	2.5
REDR427	30.5	45.0	16	148	5	15.0	1.9	3.0
REDR428	30.5	52.8	12	140	4	15.5	2.0	2.5
REDR429	31.0	53.4	11	146	4	16.5	2.0	2.5
REDR430	30.0	59.9	11	150	4	36.0	2.0	3.5
REDR431	18.0	34.5	8	146	4	12.5	0.8	3.5
REDR432	11.5	31.0	10	153	2	13.5	0.6	1.5
REDR433	2.5	11.7	129	3.0	<1	1.0	0.1	1.5
REDR434	10.5	30.2	10	168	2	16.0	0.5	1.5
REDR435	17.0	36.1	15	178	3	24.5	0.9	2.5
REDR436	24.0	61.0	20	184	5	70.0	1.6	2.5
REDR437	22.0	40.2	10	169	3	21.0	1.1	2.0
REDR438	16.5	33.0	8	165	2	22.5	0.9	2.5
REDR438 Rpt	18.0	35.0	8	181	3	24.0	0.8	2.5
REDR439	19.5	35.7	11	172	3	23.0	0.9	3.0
REDR440	5.0	29.9	6	135	<1	14.0	0.3	1.0
REDR441	6.5	26.9	10	176	1	15.0	0.3	1.5



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	Nb ppm	Nd ppm	Pb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	W ppm
Detection Limit	0.5	0.05	1	0.2	1	0.5	0.1	0.5
REDR442	4.0	34.5	8	152	<1	22.5	0.2	1.0
REDR443	6.5	41.2	14	225	1	35.0	0.3	1.5
REDR444	13.5	34.1	17	293	3	30.5	0.8	1.5
REDR445	11.5	27.8	10	214	2	21.0	0.7	1.5
REDR446	2.5	4.20	10	126	<1	197	0.2	0.5
REDR446 Rpt	2.5	4.40	10	134	<1	201	0.2	0.5
REDR447	14.5	35.7	14	250	2	32.0	0.7	2.5
REDR448	14.5	27.5	20	225	3	19.0	0.9	2.5
Std Nominal	1.0	3.00	2590	2.8	13	5.0		<0.5
Determined	1.0	3.10	2670	2.6	13	5.5	<0.1	0.5
REDR449	6.0	33.5	8	170	2	17.0	0.5	1.0
REDR450	13.0	39.6	9	185	3	33.5	0.5	4.5
REDR451	3.0	31.6	10	183	<1	18.0	0.1	1.0
REDR452	2.5	31.4	12	202	<1	21.0	0.1	1.0
REDR453	2.5	34.3	10	144	<1	28.5	0.1	<0.5
REDR454	2.5	11.7	491	3.4	<1	2.5	0.2	1.5
REDR455	4.0	31.2	7	152	<1	14.5	0.2	0.5
REDR456	3.0	30.8	9	157	<1	16.5	0.2	1.0
REDR457	5.0	39.5	9	174	<1	21.5	0.3	1.5
REDR458	10.5	33.6	14	157	2	18.5	0.4	3.0
REDR459	10.0	34.0	15	156	2	19.0	0.4	3.0
REDR460	8.5	34.1	11	157	1	18.0	0.4	2.5
REDR461	11.0	42.5	21	176	2	37.5	0.5	3.5
REDR462	12.0	30.4	21	170	2	15.5	0.6	2.5
REDR463	4.0	37.6	16	161	<1	20.5	0.2	1.0
REDR464	5.0	43.1	8	147	<1	20.0	0.2	<0.5
REDR465	18.0	44.2	15	148	3	19.0	1.1	2.0
REDR465 Rpt	19.0	46.8	16	155	4	20.0	1.1	2.5
Std Nominal	3.5	11.0	1030	24.8	4	48.0	0.3	3.5
Determined	4.0	11.6	1100	26.6	4	50.0	0.2	3.5

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Perth WA 6155 Australia

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Reference: u251973 Order Number: Page 11 of 21

	Y ppm	Ca %	Co ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm
<b>Detection Limit</b>	0.1	0.01	5	2	0.01	0.01	0.01	2
REDR304	35.1	0.59	70	2270	10.1	6.32	2.33	456
REDR305	3.3	0.44	<5	10	0.93	2.70	0.08	102
REDR306	32.6	0.88	30	4120	4.23	9.40	1.20	296
Std Nominal	14.2	1.22	65	2910	12.0	0.60	1.80	1500
Determined	13.7	1.21	65	2960	12.0	0.59	1.79	1520
REDR307	34.0	0.81	55	2870	7.11	7.19	2.01	132
REDR308	34.8	0.88	65	4460	7.82	6.96	2.09	136
REDR309	41.9	0.87	40	5180	4.74	9.41	0.91	104
REDR310	48.2	1.09	50	4650	2.95	6.16	0.72	246
REDR311	45.5	0.95	45	5640	5.19	7.51	1.74	192
REDR312	35.4	0.60	65	7950	10.6	6.60	3.60	1390
REDR313	47.9	0.49	55	1.11%	10.2	6.36	2.86	3890
REDR314	54.6	0.40	45	4430	6.54	8.95	1.89	2490
REDR314 Rpt	54.4	0.39	45	4410	6.38	8.79	1.84	2480
REDR315	53.1	0.65	75	5490	5.28	9.96	1.01	6350
REDR316	42.9	0.55	80	4740	5.49	9.43	1.46	4500
REDR317	49.3	0.52	25	1650	3.00	7.65	0.86	390
REDR318	43.0	0.58	25	2420	4.07	5.54	1.66	158
REDR319	43.7	0.58	40	3210	4.94	5.69	2.12	142
REDR320	35.4	0.63	75	3010	6.37	8.22	2.72	182
REDR321	34.6	0.62	75	1340	7.76	7.22	2.92	136
REDR322	42.8	0.67	80	1690	6.43	7.79	2.81	206
REDR323	44.4	0.68	85	2420	6.94	7.51	2.77	188
REDR324	46.3	0.64	40	1690	4.95	9.00	2.20	124
REDR325	3.4	0.11	<5	12	1.17	1.72	0.38	86
REDR326	35.4	0.64	30	1620	3.18	10.3	1.37	84
REDR327	43.3	0.66	25	2290	3.57	10.1	1.48	86
REDR328	3.8	0.42	<5	18	0.75	2.27	0.06	90
REDR329	42.0	0.66	20	2290	3.26	7.67	1.44	52
REDR330	36.6	0.66	25	1070	3.65	9.91	1.44	112
REDR331	47.4	0.70	35	1770	5.71	8.93	2.39	642
REDR332	48.4	1.56	40	1340	4.74	8.86	2.52	710
REDR333	44.4	2.91	55	472	4.50	8.47	2.95	868
REDR334	48.1	2.81	60	388	4.60	8.74	2.94	830
REDR335	51.1	3.47	90	966	4.95	7.47	3.55	1060
REDR336	50.1	3.07	80	1260	6.15	7.38	3.52	802
REDR337	54.9	2.22	50	386	6.54	7.34	3.41	578
Std Nominal	16.0	2.48	45	1500	8.65	2.35	1.71	1180
Determined	15.3	2.46	45	1530	8.68	2.34	1.71	1150



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	Y ppm	Ca %	Co ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm
Detection Limit	0.1	0.01	5	2	0.01	0.01	0.01	2
REDR338	54.3	2.69	30	66	6.11	6.71	3.40	774
REDR339	50.4	2.05	25	114	7.39	7.41	3.49	610
REDR340	50.0	1.94	25	116	9.49	6.50	4.10	596
REDR341	49.0	1.18	30	178	9.42	6.46	3.81	352
REDR342	51.5	1.15	30	68	8.73	6.81	3.69	304
REDR343	47.2	2.88	25	214	7.98	6.89	4.10	918
REDR344	39.3	5.13	20	350	3.72	7.95	3.46	1880
REDR345	39.6	3.96	20	48	4.57	8.08	3.35	1370
REDR346	35.5	1.79	30	16	8.37	7.02	3.79	598
REDR346 Rpt	34.9	1.78	30	18	8.49	7.04	3.83	596
REDR347	4.0	0.12	120	4090	4.39	0.09	2.20	80
REDR348	34.1	3.96	20	30	4.75	7.77	3.43	1280
REDR349	34.1	3.02	10	16	2.24	9.82	1.82	930
REDR350	34.7	4.38	10	14	2.62	9.13	2.56	1240
REDR351	46.2	7.28	15	66	3.82	6.82	4.69	2300
REDR352	48.6	4.24	25	144	5.58	7.31	3.85	1600
REDR353	39.8	5.36	15	288	6.39	6.85	4.14	2190
REDR354	3.9	0.45	<5	4	0.81	2.55	0.06	100
REDR354 Rpt	4.0	0.46	<5	4	0.85	2.60	0.06	102
REDR355	47.1	2.65	15	22	8.10	6.95	3.04	1310
REDR356	46.0	1.83	30	12	9.64	6.96	3.81	642
REDR357	40.8	4.65	10	6	6.38	7.94	3.20	1770
REDR358	40.0	1.27	45	58	9.89	6.34	4.23	498
REDR359	44.5	1.46	45	18	10.0	5.43	4.58	616
REDR360	47.9	2.00	50	26	10.8	5.09	5.52	912
REDR361	33.7	2.40	50	16	10.4	4.86	4.78	1180
REDR362	32.3	1.30	40	14	10.3	5.47	3.87	706
REDR363	36.8	0.95	40	20	11.2	5.39	4.27	552
REDR364	35.5	0.96	45	20	11.1	5.15	4.19	586
REDR365	35.7	0.61	40	12	10.3	4.93	4.79	274
REDR366	33.6	1.18	40	12	9.55	5.07	4.27	632
REDR367	4.8	0.61	230	1.76%	11.4	0.11	3.28	198
REDR368	31.1	1.92	40	38	9.15	4.41	4.54	1150
REDR369	46.3	0.09	45	644	7.09	6.58	0.50	966
Std Nominal		2.21	670	1.19%	25.5	0.62	1.79	704
Determined	6.6	2.20	665	1.16%	25.3	0.62	1.77	710
REDR370	105	0.29	20	868	3.80	10.5	0.72	120
REDR371	56.7	0.43	20	620	4.19	8.61	0.60	1280
REDR372	56.2	0.69	50	1400	2.28	7.30	0.63	174



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	Y ppm	Ca %	Co ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm
<b>Detection Limit</b>	0.1	0.01	5	2	0.01	0.01	0.01	2
REDR373	52.9	0.68	55	1600	3.24	10.6	0.63	162
REDR373 Rpt	53.9	0.67	55	1580	3.23	10.7	0.63	158
REDR374	55.2	0.56	70	1770	4.04	9.92	0.64	204
REDR375	51.4	0.64	50	1240	4.19	9.88	0.55	140
REDR376	50.1	0.66	95	1370	4.90	10.2	0.54	280
REDR377	55.0	0.42	75	1520	4.60	9.84	0.52	324
Std Nominal			40	2.59%				
Determined	23.2	0.29	40	2.60%	8.86	2.09	2.19	990
REDR378	65.1	0.40	65	1890	3.54	10.1	0.61	410
REDR379	33.2	0.25	20	534	4.92	9.74	0.72	74
REDR380	32.1	0.26	20	498	4.23	8.16	0.74	62
REDR381	53.1	0.54	70	572	2.40	10.5	0.54	420
REDR382	47.4	0.40	60	538	2.81	10.6	0.60	404
REDR383	69.5	0.43	100	680	2.37	11.0	0.50	640
REDR384	36.3	0.33	50	556	2.78	10.4	0.69	264
REDR385	52.3	0.49	35	858	2.91	10.7	0.73	136
REDR386	39.2	0.47	40	904	3.44	10.4	0.96	214
REDR387	30.3	0.29	45	1050	4.06	10.2	0.79	216
REDR388	46.4	0.34	70	1360	2.82	10.9	0.69	170
REDR389	3.5	0.10	<5	12	1.20	1.75	0.38	88
REDR390	37.8	0.32	45	1170	2.44	10.8	0.61	136
REDR391	35.4	0.31	55	938	2.70	10.6	0.57	368
REDR392	36.6	0.28	25	760	2.02	8.48	0.53	88
REDR393	68.7	0.33	25	806	2.65	8.40	0.34	76
REDR394	4.3	0.44	<5	6	0.79	2.52	0.06	86
REDR395	31.0	0.23	30	620	2.59	8.78	0.53	58
Std Nominal			50	3.93%				
Determined	24.7	0.33	50	3.96%	10.0	2.04	2.07	988
REDR396	37.9	0.37	35	590	2.84	10.4	0.49	86
REDR397	46.9	0.32	45	1000	3.79	9.38	0.44	94
REDR398	29.1	0.25	85	5180	5.18	9.90	0.61	62
REDR399	29.9	0.24	80	4630	6.17	9.60	0.60	56
REDR399 Rpt	30.4	0.25	75	4740	6.29	9.78	0.61	56
REDR400	36.2	0.24	55	5170	3.11	10.8	0.60	52
REDR401	45.4	0.26	65	4570	2.76	10.8	0.66	54
REDR402	43.0	0.42	65	3850	2.15	10.6	0.64	50
REDR403	45.6	0.41	60	4210	2.04	9.84	0.60	48
REDR404	47.4	0.28	65	4030	2.23	10.9	0.72	56
REDR405	43.4	0.27	50	3500	2.15	10.3	0.77	60



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	Y ppm	Ca %	Co ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm
<b>Detection Limit</b>	0.1	0.01	5	2	0.01	0.01	0.01	2
REDR406	55.0	0.32	30	5850	2.13	10.2	0.66	54
REDR407	82.6	0.33	30	3870	1.46	11.4	0.37	32
REDR408	48.1	0.48	65	3400	2.05	10.9	0.63	46
REDR409	53.5	0.67	60	2760	1.90	10.8	0.61	52
REDR410	52.4	0.84	50	2340	1.35	11.3	0.49	86
REDR411	3.5	0.10	<5	12	1.18	1.73	0.38	86
REDR412	30.5	0.30	155	6190	2.09	10.5	0.64	100
REDR413	50.6	0.68	105	8930	2.01	10.4	0.59	116
REDR414	49.3	0.69	80	7970	2.20	10.9	0.64	124
REDR415	50.5	0.69	205	2750	3.02	10.4	1.10	92
REDR416	50.0	1.14	100	1610	1.40	10.8	0.65	532
REDR417	50.5	0.56	185	4110	1.98	11.0	0.61	114
REDR418	55.0	0.68	240	3870	2.04	11.2	0.50	86
REDR419	50.7	1.00	235	3790	2.29	11.1	0.85	444
REDR420	3.8	0.45	<5	8	0.89	2.68	0.08	98
REDR421	55.6	0.71	130	6220	2.30	11.1	0.72	156
REDR422	45.5	0.81	210	3650	2.22	11.2	0.58	122
Std Nominal		0.19	120	14.8 %	19.6	1.20	1.36	
Determined	15.8	0.20	125	14.5%	19.6	1.18	1.32	630
REDR423	42.7	0.69	230	4430	2.71	9.99	0.87	72
REDR424	42.5	0.78	155	4740	3.38	9.91	1.12	178
REDR425	52.9	0.61	190	5500	3.47	10.4	0.85	90
REDR426	68.3	0.28	80	4620	3.12	11.3	0.77	50
REDR427	68.6	0.47	95	4960	2.95	11.2	0.81	218
REDR428	63.2	0.71	90	5360	3.42	11.0	1.13	262
REDR429	64.7	0.67	95	4600	3.41	10.9	1.19	234
REDR430	64.3	2.02	55	5160	2.38	11.0	1.26	688
REDR431	44.4	1.71	80	2350	2.32	10.3	1.33	444
REDR432	40.6	1.56	60	2630	2.16	10.6	1.18	430
REDR433	3.8	0.12	120	4130	4.34	0.10	2.21	84
REDR434	34.7	2.13	30	3150	2.22	10.3	1.42	600
REDR435	33.8	1.98	100	2250	3.18	10.6	1.37	974
REDR436	53.7	1.44	40	4740	4.69	10.2	1.33	452
REDR437	48.1	2.18	30	2110	2.69	10.4	1.44	672
REDR438	37.2	2.11	40	1470	2.38	10.5	1.37	662
REDR438 Rpt	39.1	2.11	40	1440	2.38	10.5	1.36	658
REDR439	41.5	1.60	70	1990	3.39	9.94	1.42	438
REDR440	32.1	2.94	15	760	1.83	10.2	1.80	828
REDR441	30.7	2.43	40	1140	2.22	10.1	1.62	704



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	Y ppm	Ca %	Co ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm
Detection Limit	0.1	0.01	5	2	0.01	0.01	0.01	2
REDR442	37.4	2.84	10	482	1.62	10.4	1.64	850
REDR443	48.7	1.71	60	1090	3.05	10.5	1.11	282
REDR444	34.7	0.90	100	1010	4.59	9.88	1.38	154
REDR445	31.6	4.22	50	502	7.76	7.18	2.94	9460
REDR446	3.5	0.47	<5	8	0.91	2.63	0.07	118
REDR446 Rpt	3.6	0.46	<5	8	0.91	2.65	0.08	114
REDR447	38.2	3.87	55	640	8.97	7.31	2.78	8720
REDR448	31.2	1.42	60	1960	5.01	9.79	1.49	856
Std Nominal	3.9	0.22	330	24.0 %	29.3	0.03	0.51	104
Determined	4.0	0.23	330	24.0%	31.1	0.04	0.52	108
REDR449	40.2	2.07	35	1110	2.97	9.89	1.67	662
REDR450	44.3	2.28	35	622	2.37	10.4	1.48	658
REDR451	41.4	3.06	35	812	1.85	10.2	1.80	852
REDR452	40.9	3.37	20	628	1.52	9.98	1.91	1060
REDR453	30.0	3.41	20	536	1.75	10.2	1.87	1110
REDR454	4.9	0.62	230	1.76%	10.9	0.09	3.21	198
REDR455	35.2	2.26	25	502	1.54	10.6	1.30	644
REDR456	35.7	3.20	25	748	1.54	10.2	1.71	1220
REDR457	45.7	1.87	60	496	1.60	10.8	1.00	508
REDR458	43.6	2.09	95	432	2.72	10.1	1.52	638
REDR459	36.9	2.20	90	454	2.53	10.4	1.49	680
REDR460	42.0	2.20	100	378	2.32	10.2	1.44	640
REDR461	35.5	1.88	220	332	2.64	10.4	1.32	656
REDR462	43.7	1.60	130	266	2.49	10.6	1.29	482
REDR463	43.2	2.33	85	180	1.51	10.6	1.29	808
REDR464	50.5	1.75	30	158	1.22	9.11	0.98	476
REDR465	45.2	1.78	50	140	5.62	7.93	2.98	584
REDR465 Rpt	47.2	1.79	50	138	5.67	8.21	3.00	582
Std Nominal	14.2	1.22	65	2910	12.0	0.60	1.80	1500
Determined	13.7	1.23	65	2950	12.0	0.61	1.81	1520

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	Ni ppm	P ppm	Ti ppm	Zn ppm
Detection Limit	2	50	50	2
REDR304	86	2150	1.90%	62
REDR305	2	100	400	12
REDR306	34	3650	1.78%	50
Std Nominal	94	250	2500	1.04%
Determined	96	300	2500	1.05%
REDR307	60	3300	1.84%	56
REDR308	58	3500	1.87%	70
REDR309	34	3850	1.93%	46
REDR310	28	4500	1.96%	38
REDR311	42	4100	1.93%	90
REDR312	66	2650	9500	116
REDR313	68	1900	7300	66
REDR314	38	1750	8150	42
REDR314 Rpt	40	1700	8050	40
REDR315	30	2600	1.35%	36
REDR316	40	2300	1.46%	46
REDR317	16	2250	1.71%	28
REDR318	42	2500	1.67%	44
REDR319	50	2550	1.75%	40
REDR320	70	2650	1.89%	54
REDR321	76	2400	1.66%	56
REDR322	64	2750	1.78%	46
REDR323	72	2700	1.77%	46
REDR324	40	2800	1.84%	42
REDR325	12	250	1000	8
REDR326	22	2700	1.84%	72
REDR327	18	2800	1.92%	30
REDR328	2	100	450	12
REDR329	22	2750	1.83%	34
REDR330	22	2800	1.77%	24
REDR331	32	2900	1.82%	36
REDR332	34	2600	1.69%	32
REDR333	36	2450	1.60%	34
REDR334	36	2550	1.59%	38
REDR335	54	2400	1.45%	40
REDR336	56	2400	1.51%	38
REDR337	40	2550	1.66%	40
Std Nominal	74	600	5100	5200
Determined	74	650	5000	5160



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	Ni ppm	P ppm	Ti ppm	Zn ppm
Detection Limit	2	50	50	2
REDR338	14	2300	1.48%	48
REDR339	14	2700	1.71%	42
REDR340	32	2650	1.73%	48
REDR341	34	2650	1.73%	56
REDR342	40	2700	1.73%	50
REDR343	36	2600	1.65%	48
REDR344	12	2100	1.39%	32
REDR345	18	2400	1.60%	28
REDR346	40	2650	1.86%	48
REDR346 Rpt	42	2750	1.87%	48
REDR347	12	300	500	24
REDR348	28	2350	1.60%	28
REDR349	10	2500	1.61%	14
REDR350	8	2350	1.47%	14
REDR351	22	1850	1.13%	22
REDR352	14	2050	1.22%	32
REDR353	10	1750	1.05%	38
REDR354	<2	100	450	12
REDR354 Rpt	2	150	450	10
REDR355	16	2100	1.30%	40
REDR356	26	2050	1.36%	64
REDR357	2	1750	1.14%	28
REDR358	28	2100	1.40%	64
REDR359	28	2100	1.34%	64
REDR360	36	2100	1.34%	80
REDR361	24	1700	1.14%	62
REDR362	18	1700	1.12%	40
REDR363	14	1850	1.21%	56
REDR364	22	1750	1.17%	60
REDR365	16	1900	1.25%	76
REDR366	18	1850	1.21%	54
REDR367	30	350	700	112
REDR368	18	1700	1.10%	46
REDR369	24	800	1.35%	36
Std Nominal	1.95%	700	2500	236
Determined	1.92%	650	2450	240
REDR370	14	1650	1.71%	20
REDR371	12	2000	1.51%	26
REDR372	32	3000	1.86%	56



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	Ni ppm	P ppm	Ti ppm	Zn ppm
Detection Limit	2	50	50	2
REDR373	44	3000	1.94%	92
REDR373 Rpt	42	3100	1.95%	90
REDR374	48	2600	1.94%	104
REDR375	36	2900	1.86%	84
REDR376	44	3200	1.98%	102
REDR377	42	2200	1.91%	92
Std Nominal				324
Determined	38	600	3800	320
REDR378	38	1950	1.74%	76
REDR379	36	1150	5850	58
REDR380	42	1150	5600	58
REDR381	44	2400	1.20%	68
REDR382	42	1750	8550	50
REDR383	44	1900	7250	54
REDR384	42	1400	6850	46
REDR385	36	2100	7550	54
REDR386	30	2150	9100	50
REDR387	38	1350	6050	42
REDR388	32	1550	7050	38
REDR389	10	200	950	6
REDR390	32	1500	6500	34
REDR391	30	1500	6700	40
REDR392	38	1300	6450	34
REDR393	24	1750	6400	34
REDR394	6	100	500	16
REDR395	28	1200	5800	40
Std Nominal				
Determined	38	600	3650	454
REDR396	30	1900	8450	40
REDR397	34	1650	7700	42
REDR398	46	1250	5900	38
REDR399	46	1200	5700	38
REDR399 Rpt	46	1200	5650	38
REDR400	38	1250	6150	30
REDR401	42	1250	6450	28
REDR402	26	1950	1.31%	34
REDR403	36	1850	1.09%	24
REDR404	48	1350	7200	26
REDR405	38	1250	7350	30



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	Ni ppm	P ppm	Ti ppm	Zn ppm
Detection Limit	2	50	50	2
REDR406	24	1450	8800	28
REDR407	14	1500	7800	16
REDR408	40	2100	1.25%	24
REDR409	38	2700	1.75%	24
REDR410	22	2750	1.93%	12
REDR411	10	200	1000	8
REDR412	68	1250	7450	26
REDR413	28	2200	1.25%	32
REDR414	22	2600	1.37%	64
REDR415	64	2500	1.60%	34
REDR416	22	2350	1.78%	22
REDR417	60	2100	1.23%	26
REDR418	34	2700	1.54%	20
REDR419	56	2450	1.49%	34
REDR420	2	150	450	14
REDR421	40	2400	1.24%	80
REDR422	36	2800	1.70%	28
Std Nominal	36			1360
Determined	38	600	2350	1350
REDR423	70	2650	1.78%	68
REDR424	50	2600	1.79%	34
REDR425	50	2300	1.53%	28
REDR426	30	1150	6950	22
REDR427	28	1050	7250	14
REDR428	38	700	5350	34
REDR429	40	750	5450	24
REDR430	22	1200	8250	12
REDR431	30	2800	1.80%	22
REDR432	18	2500	1.72%	20
REDR433	10	300	450	24
REDR434	14	2550	1.70%	16
REDR435	44	2800	1.59%	30
REDR436	26	1600	7250	30
REDR437	24	2250	1.47%	14
REDR438	24	2650	1.75%	16
REDR438 Rpt	22	2600	1.71%	14
REDR439	46	2550	1.69%	28
REDR440	16	2700	1.72%	22
REDR441	22	2500	1.56%	28



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	Ni ppm	P ppm	Ti ppm	Zn ppm
Detection Limit	2	50	50	2
REDR442	10	2600	1.58%	20
REDR443	42	4050	1.52%	84
REDR444	66	3200	1.43%	76
REDR445	28	3000	1.20%	60
REDR446	2	150	450	14
REDR446 Rpt	2	150	450	12
REDR447	24	3000	1.11%	92
REDR448	42	2150	1.49%	40
Std Nominal	6	50	50	2.63%
Determined	8	100	100	2.66%
REDR449	28	2700	1.71%	26
REDR450	22	2500	1.63%	20
REDR451	22	2650	1.60%	22
REDR452	12	2450	1.53%	44
REDR453	8	2300	1.45%	10
REDR454	32	350	650	112
REDR455	10	2650	1.73%	12
REDR456	14	2500	1.59%	20
REDR457	26	2650	1.63%	22
REDR458	48	2700	1.81%	20
REDR459	36	2700	1.83%	22
REDR460	44	2600	1.65%	22
REDR461	96	2650	1.69%	16
REDR462	60	2300	1.51%	38
REDR463	38	2350	1.51%	14
REDR464	16	2450	1.56%	12
REDR465	36	2350	1.39%	42
REDR465 Rpt	38	2400	1.44%	44
Std Nominal	94	250	2500	1.04%
Determined	96	250	2550	1.02%

\*\*\*\*\*

\*\*\*\*\*  
These results pertain to the samples as received at this laboratory.  
Where standards are reported, the nominal value for the element is reported above the result found.

"%" Implies this result reported in %

**Sample Storage**  
\*\*\*\*\*

The excess material (Residue) will be held after 30 days  
The pulp samples (Pulp) will be held after 60 days as per instructions.



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#### Sample Preparation

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No sample preparation was required on these samples.

#### Digest and Analysis:

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The sample(s) have been digested and refluxed with a mixture of Acids including Hydrofluoric, Nitric, Hydrochloric and Perchloric Acids. This extended digest approaches a Total digest for many elements however some refractory minerals are not completely attacked.

Ca,Co,Cu,Fe,K,Mg,Mn,Ni,P,Ti,Zn

have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry.

Ag,As,Ba,Bi,Ce,Er,Eu,La,Nb,Nd,Pb,Rb,Sn,Sr,Ta,W,Y

have been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry.