



Australian Laboratory Services Pty. Ltd.

32 Shand Street  
Stafford  
Brisbane QLD 4053  
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218  
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No: 825, Corporate Site No: 23001.

## CERTIFICATE AD17079470

Project: Barrow Creek

P.O. No.: SDS111

This report is for 187 Rock samples submitted to our lab in Adelaide, SA, Australia  
on 24-APR-2017.

The following have access to data associated with this certificate:

STEPHEN BIGGINS

DAVID RAWLINGS

LEON VANDENBERG

To: CORE EXPLORATION LIMITED  
ATTN: DAVID RAWLINGS  
LEVEL 2, 143 HUTT STREET  
ADELAIDE SA 5000

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 \*\*\*\*\*

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

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Account: COREEXP

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-21	Crush entire sample >70% -6 mm
LEV-01	Waste Disposal Levy
WEI-21	Received Sample Weight

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

Signature:

Cameron Brosnan, Laboratory Manager, Perth



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## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
BCRK001		2.88	0.04	5.98	0.3	270	73.2	2.30	0.24	<0.02	6.54	0.9	27	25.3	6.3	0.55
BCRK002		2.28	0.03	7.80	0.7	230	7.71	2.69	0.14	<0.02	4.86	1.5	15	50.0	25.5	0.73
BCRK003		2.31	0.03	6.86	0.8	240	17.35	0.13	0.14	0.05	10.50	1.1	17	21.6	10.2	0.95
BCRK004		2.50	0.01	7.78	1.3	380	52.9	0.19	0.07	0.10	23.8	1.8	26	31.5	14.6	0.88
BCRK005		2.77	0.01	7.51	1.0	150	35.5	0.53	0.09	<0.02	6.23	1.0	20	21.5	5.4	0.64
BCRK006		2.57	0.05	6.82	<0.2	100	36.8	4.88	0.11	0.13	3.16	1.0	17	22.9	10.0	0.74
BCRK007		3.28	0.02	7.23	1.5	200	46.2	2.12	0.10	<0.02	10.05	1.3	25	18.15	6.9	0.94
BCRK008		2.54	0.05	7.19	0.6	80	35.9	1.98	0.10	0.14	4.49	2.0	20	19.25	11.9	0.80
BCRK009		3.10	0.03	7.58	1.5	550	11.85	0.20	0.69	<0.02	66.8	7.4	38	79.5	12.9	2.66
BCRK010		4.41	0.03	7.63	1.0	240	5.55	0.08	0.07	<0.02	17.50	1.1	27	68.8	7.0	0.79
BCRK011		3.21	<0.01	8.00	1.6	110	25.1	0.12	0.22	<0.02	14.75	1.6	24	59.9	4.6	0.83
BCRK012		3.41	0.02	8.14	0.4	90	42.3	0.29	0.27	<0.02	4.59	0.8	20	65.9	11.3	0.69
BCRK013		4.35	0.02	7.89	0.3	100	83.2	1.57	0.12	<0.02	8.25	2.5	27	73.7	4.5	0.77
BCRK014		3.56	0.02	7.41	0.6	170	198.5	0.08	0.13	<0.02	6.86	2.3	16	45.0	6.5	0.51
BCRK015		4.01	0.01	8.09	2.2	220	1.89	0.18	0.25	0.03	220	14.1	54	1.29	8.1	3.27
BCRK016		2.90	0.04	7.88	1.8	230	90.3	1.78	0.06	<0.02	5.48	2.3	21	42.6	9.2	0.67
BCRK017		3.76	0.02	0.62	1.5	20	0.67	1.66	0.02	<0.02	4.04	1.3	69	0.33	7.0	0.72
BCRK018		3.98	0.01	0.09	<0.2	10	0.92	0.05	0.01	<0.02	0.45	1.0	64	0.43	9.9	0.63
BCRK019		2.72	0.03	7.59	1.1	250	10.45	0.37	0.17	<0.02	17.90	2.3	23	46.2	7.0	0.72
BCRK020		3.89	<0.01	8.65	0.2	70	0.35	0.04	0.07	0.03	2.79	0.8	35	0.11	5.3	0.36
BCRK021		3.31	0.14	6.23	15.9	150	2.62	0.25	0.17	0.02	31.1	2.1	21	13.55	61.4	0.65
BCRK022		4.28	0.08	7.59	1.5	90	83.8	0.34	0.10	<0.02	3.41	1.2	20	36.7	10.4	0.73
BCRK023		3.44	0.11	7.78	1.4	80	70.6	0.67	0.08	<0.02	3.41	1.0	26	33.7	10.0	0.69
BCRK024		6.51	0.03	7.61	0.9	60	31.6	6.61	0.13	0.08	4.07	0.8	17	31.7	9.1	0.68
BCRK025		5.10	0.01	7.30	1.3	80	35.0	0.49	0.05	<0.02	3.84	1.1	28	27.4	4.3	0.78
BCRK026		4.57	0.02	8.09	11.9	220	6.65	0.26	0.04	<0.02	34.4	2.5	38	72.1	4.5	1.76
BCRK027		5.60	0.11	7.42	6.7	270	4.86	163.5	0.07	<0.02	31.2	3.2	36	51.3	10.9	1.66
BCRK028		2.62	0.02	6.82	0.7	300	124.5	3.95	0.04	<0.02	6.44	1.1	32	47.0	7.3	0.89
BCRK029		5.57	0.03	1.27	0.8	30	0.82	7.63	0.03	0.02	2.78	2.4	64	1.65	8.1	0.82
BCRK030		3.43	0.10	5.58	3.4	100	1.80	75.1	0.19	0.02	6.48	1.4	29	14.95	16.2	0.36
BCRK031		3.42	0.05	7.63	4.7	270	6.84	3.10	0.14	<0.02	25.9	2.6	28	72.1	7.9	1.17
BCRK032		3.90	0.01	4.43	3.0	150	4.57	0.55	0.02	<0.02	5.15	1.1	41	54.1	7.1	0.67
BCRK033		4.86	0.04	7.33	4.1	60	20.2	0.91	0.23	0.06	7.19	0.9	22	27.9	7.4	0.64
BCRK034		5.48	0.04	7.59	19.7	450	12.40	0.42	0.16	<0.02	48.0	5.4	34	44.8	7.7	1.75
BCRK035		7.76	0.12	6.84	3.2	90	50.7	36.5	0.20	<0.02	11.60	2.9	36	36.6	15.6	1.16
BCRK036		6.74	0.15	6.64	2.3	20	147.0	16.50	0.22	0.02	4.35	0.8	20	31.2	9.3	0.66
BCRK037		6.01	0.12	7.51	1.3	70	17.05	7.28	0.20	<0.02	9.86	1.8	22	33.1	5.6	0.85
BCRK038		5.28	0.14	5.87	1.4	90	73.0	262	0.20	0.10	2.30	0.6	27	30.7	8.3	0.65
BCRK039		4.12	0.06	6.82	1.7	90	73.3	2.84	0.13	<0.02	3.97	1.3	33	74.2	8.1	0.66
BCRK040		4.38	0.08	7.29	1.2	30	17.05	1.24	0.22	<0.02	1.56	0.5	19	55.0	8.0	0.41

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

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Account: COREXP

## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
BCRK001		16.75	<0.05	0.6	0.023	2.80	5.0	152.0	0.07	335	2.25	0.59	14.0	1.8	740
BCRK002		17.85	0.05	1.3	0.012	3.84	4.0	50.5	0.05	467	1.39	3.23	36.0	3.9	1100
BCRK003		23.1	<0.05	2.1	0.017	1.71	6.5	73.1	0.04	554	1.31	2.49	20.0	2.1	410
BCRK004		21.9	0.07	0.5	0.023	4.37	15.2	55.8	0.06	249	2.12	0.34	19.7	4.1	310
BCRK005		16.40	<0.05	0.3	0.011	4.49	6.3	27.7	0.02	171	1.44	1.13	10.9	2.2	430
BCRK006		14.90	<0.05	1.5	0.006	2.51	2.2	23.2	0.02	1340	1.37	3.34	9.0	3.0	750
BCRK007		19.15	<0.05	0.8	0.016	3.06	9.9	56.7	0.05	329	1.84	1.45	12.4	2.5	380
BCRK008		17.00	<0.05	1.5	0.016	2.64	2.0	14.7	0.02	906	1.67	3.22	8.0	3.1	920
BCRK009		23.2	0.11	3.6	<0.005	2.95	36.5	208	0.43	1100	1.76	1.60	60.0	10.1	1490
BCRK010		26.1	0.05	0.5	<0.005	4.70	12.1	63.8	0.03	244	2.05	0.63	25.8	3.0	660
BCRK011		26.4	0.05	0.7	0.026	3.71	10.5	42.9	0.04	393	1.72	1.63	52.0	2.2	1270
BCRK012		28.1	<0.05	2.7	<0.005	3.14	5.0	66.1	0.03	642	1.62	3.58	74.9	2.6	1810
BCRK013		31.4	<0.05	1.2	<0.005	4.08	7.2	89.4	0.02	592	1.99	1.93	63.3	2.2	1190
BCRK014		21.9	<0.05	2.1	<0.005	2.70	4.9	37.6	0.02	893	1.31	3.56	56.9	3.3	1190
BCRK015		21.4	0.28	2.4	0.025	0.18	102.5	20.1	1.36	228	1.94	0.57	1.6	30.5	290
BCRK016		29.0	<0.05	2.3	0.021	3.40	2.1	25.4	0.05	255	1.64	0.24	54.4	3.4	340
BCRK017		1.63	<0.05	0.1	0.006	0.07	1.9	5.4	0.07	76	4.68	0.05	0.5	4.1	20
BCRK018		0.40	<0.05	<0.1	0.005	0.03	<0.5	4.7	0.01	104	4.31	0.01	0.4	4.8	10
BCRK019		22.3	<0.05	1.1	0.013	4.11	6.9	41.8	0.07	347	1.61	0.40	26.2	3.8	950
BCRK020		1.45	<0.05	0.3	0.007	0.02	1.5	5.4	2.40	72	1.30	0.54	0.3	3.5	320
BCRK021		13.20	0.08	1.1	0.023	4.72	19.0	12.6	0.06	178	1.94	1.23	5.3	2.6	260
BCRK022		23.3	0.05	1.0	0.008	3.28	2.5	19.8	0.04	551	1.76	2.41	34.1	3.0	800
BCRK023		21.5	<0.05	0.6	0.027	4.04	2.3	36.6	0.02	415	2.01	1.70	17.9	2.2	930
BCRK024		17.60	<0.05	0.8	0.012	4.13	2.8	23.9	0.02	489	1.50	2.72	10.2	2.9	1120
BCRK025		20.4	<0.05	0.4	0.029	2.99	1.7	41.1	0.05	166	2.20	0.33	23.7	2.7	290
BCRK026		31.4	0.06	1.8	<0.005	3.38	15.9	50.3	0.19	332	2.68	0.29	53.9	5.7	250
BCRK027		24.0	<0.05	2.4	0.031	2.64	14.6	28.4	0.26	287	1.96	0.33	45.9	8.2	140
BCRK028		28.6	<0.05	0.7	0.029	3.16	5.0	127.0	0.06	193	3.07	0.17	38.4	2.6	290
BCRK029		3.79	<0.05	0.4	0.008	0.08	1.3	12.2	0.17	79	4.44	0.08	1.3	9.1	10
BCRK030		13.35	<0.05	0.7	0.010	4.38	3.0	9.8	0.03	113	2.33	1.54	10.3	2.1	320
BCRK031		32.4	0.08	1.3	0.023	3.97	12.7	169.0	0.10	647	1.75	1.27	66.4	5.8	1060
BCRK032		16.75	0.05	0.3	<0.005	2.75	2.2	25.4	0.01	364	3.38	0.43	23.6	2.6	390
BCRK033		24.6	0.05	1.4	0.013	2.41	6.0	25.3	0.04	347	1.88	2.64	57.6	3.3	1280
BCRK034		24.9	0.06	2.5	0.007	2.61	23.7	82.7	0.34	542	1.54	0.94	39.2	9.6	430
BCRK035		23.0	<0.05	1.9	0.028	2.46	6.0	57.4	0.12	447	2.92	2.15	39.9	6.0	1110
BCRK036		21.8	<0.05	1.7	0.027	2.26	2.6	30.6	0.02	457	1.90	3.10	40.9	1.6	1370
BCRK037		21.8	0.05	0.8	0.029	3.46	5.0	37.1	0.08	339	1.69	2.66	30.2	4.7	1290
BCRK038		18.70	<0.05	1.3	0.013	2.32	1.8	30.8	0.02	569	3.13	2.38	45.3	2.1	1320
BCRK039		26.2	<0.05	0.7	0.007	2.18	3.9	47.1	0.03	306	2.62	2.23	42.6	4.0	900
BCRK040		21.9	<0.05	0.4	0.011	4.17	1.3	24.4	0.01	246	1.61	2.75	28.6	1.5	1960

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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
BCRK001		490	<0.002	0.01	0.07	0.5	<1	54.2	22.9	5.76	<0.05	0.48	0.005	2.00	1.1	1
BCRK002		830	<0.002	0.02	0.15	0.8	<1	22.2	18.3	17.25	<0.05	1.27	0.009	4.37	3.6	2
BCRK003		384	<0.002	0.01	0.11	1.2	<1	26.1	17.3	6.27	<0.05	1.28	<0.005	1.52	1.9	1
BCRK004		630	<0.002	0.01	0.12	1.2	<1	40.5	18.9	4.66	<0.05	1.58	0.021	2.15	1.0	5
BCRK005		540	<0.002	0.01	0.10	0.6	<1	21.4	11.2	3.06	<0.05	0.43	0.006	2.06	0.7	1
BCRK006		440	<0.002	0.01	0.12	0.6	<1	11.7	11.9	5.09	<0.05	0.72	<0.005	2.07	1.7	1
BCRK007		460	<0.002	0.01	0.10	1.2	<1	27.3	11.0	2.69	<0.05	1.52	0.017	1.78	1.0	4
BCRK008		440	<0.002	0.01	0.11	0.5	<1	11.4	10.7	2.57	<0.05	0.71	<0.005	2.14	1.5	1
BCRK009		650	<0.002	0.01	0.17	7.9	1	170.5	69.2	20.7	<0.05	16.30	0.230	3.37	3.1	35
BCRK010		990	<0.002	0.01	0.15	1.9	<1	139.0	13.7	15.15	<0.05	1.42	0.012	4.18	1.0	2
BCRK011		720	<0.002	<0.01	0.15	2.3	<1	214	8.5	35.1	<0.05	1.34	0.013	2.61	2.0	2
BCRK012		880	<0.002	<0.01	0.11	0.9	<1	129.5	7.9	37.9	<0.05	1.78	0.009	3.92	6.2	1
BCRK013		1280	<0.002	<0.01	0.11	1.3	<1	181.0	7.3	91.8	<0.05	1.18	0.009	5.95	3.8	1
BCRK014		750	<0.002	<0.01	0.11	0.5	<1	104.5	7.6	48.3	<0.05	1.17	0.005	3.28	4.6	1
BCRK015		12.4	<0.002	0.01	0.10	7.6	<1	3.5	59.0	1.03	<0.05	12.75	0.213	0.06	2.2	57
BCRK016		690	<0.002	0.01	0.09	0.4	<1	79.7	20.5	28.2	<0.05	0.58	0.008	2.27	1.4	2
BCRK017		4.6	<0.002	<0.01	0.08	0.4	<1	1.1	3.0	0.22	<0.05	0.62	0.013	0.02	0.2	3
BCRK018		4.7	<0.002	<0.01	0.13	0.1	<1	1.2	1.1	0.19	<0.05	0.07	<0.005	0.02	<0.1	1
BCRK019		460	<0.002	<0.01	0.12	2.4	<1	98.6	36.2	18.30	<0.05	2.31	0.024	1.89	2.3	6
BCRK020		1.1	<0.002	0.01	0.07	12.3	<1	0.7	50.5	0.09	<0.05	38.7	0.045	<0.02	0.2	76
BCRK021		272	<0.002	<0.01	0.15	2.0	1	6.8	37.1	1.24	<0.05	8.95	0.022	1.17	4.7	2
BCRK022		620	<0.002	<0.01	0.11	0.5	<1	43.1	8.3	11.60	<0.05	1.23	0.007	2.75	1.4	2
BCRK023		690	<0.002	<0.01	0.09	0.5	<1	36.9	11.5	4.47	<0.05	0.79	0.006	3.16	0.8	1
BCRK024		610	<0.002	<0.01	0.09	0.3	<1	17.6	11.9	3.72	<0.05	0.62	0.005	2.99	0.9	1
BCRK025		403	<0.002	<0.01	0.06	0.6	<1	47.5	9.4	9.52	<0.05	0.62	0.012	1.51	0.4	3
BCRK026		680	<0.002	<0.01	0.12	4.5	<1	98.2	26.1	23.7	<0.05	6.50	0.081	2.63	3.8	16
BCRK027		500	<0.002	<0.01	0.30	4.4	<1	72.0	23.8	26.7	0.66	6.72	0.090	1.56	2.5	17
BCRK028		550	<0.002	0.01	0.08	2.1	<1	86.1	10.0	22.1	<0.05	0.78	0.035	2.06	0.8	6
BCRK029		13.6	<0.002	<0.01	0.10	1.2	<1	2.5	8.0	0.57	0.06	0.92	0.027	0.05	0.4	9
BCRK030		354	<0.002	<0.01	0.17	2.0	<1	4.7	19.6	2.95	2.57	3.15	0.015	1.13	2.8	3
BCRK031		1020	<0.002	0.01	0.20	3.8	<1	91.1	23.1	23.4	<0.05	4.16	0.048	4.27	2.6	9
BCRK032		710	<0.002	<0.01	0.14	1.3	<1	67.7	5.5	7.55	<0.05	0.42	0.005	3.10	0.6	1
BCRK033		480	<0.002	<0.01	0.12	1.2	<1	47.9	23.6	20.2	<0.05	2.18	0.014	1.74	4.0	2
BCRK034		490	<0.002	<0.01	0.15	4.8	<1	75.5	48.1	17.85	<0.05	9.38	0.112	2.00	2.7	24
BCRK035		560	0.002	<0.01	0.13	3.1	<1	73.8	12.2	30.5	0.13	3.35	0.046	2.49	4.2	9
BCRK036		550	<0.002	<0.01	0.09	1.1	<1	49.5	9.3	36.9	0.09	1.65	0.007	2.37	6.2	1
BCRK037		730	0.002	<0.01	0.08	2.5	<1	41.4	7.9	24.6	<0.05	2.24	0.030	3.52	2.9	6
BCRK038		540	<0.002	<0.01	0.11	1.2	<1	39.1	6.5	29.9	0.34	1.45	0.006	2.53	8.0	1
BCRK039		650	<0.002	<0.01	0.17	0.3	<1	108.5	14.0	25.2	<0.05	0.58	0.007	2.64	1.4	2
BCRK040		920	<0.002	<0.01	0.13	0.2	<1	47.3	17.5	12.95	<0.05	0.43	<0.005	4.62	1.0	<1

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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

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Project: Barrow Creek

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 Account: COREEXP

## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-ICP21 Au ppm 0.001	PUL-QC Pass75um % 0.01	CRU-QC Pass2mm % 0.01
BCRK001		6.4	4.2	23	9.7	0.001		
BCRK002		4.4	4.5	28	19.4	0.001		
BCRK003		4.7	5.9	55	36.9	0.001		
BCRK004		8.4	7.3	21	10.9	0.001		
BCRK005		4.7	4.9	13	6.2	<0.001	99.0	
BCRK006		1.9	3.1	28	23.7	0.001		
BCRK007		5.6	7.4	31	15.5	0.001		
BCRK008		1.8	2.4	34	24.7	<0.001		
BCRK009		15.7	14.8	69	92.9	<0.001		
BCRK010		19.3	5.2	33	9.3	<0.001		81.6
BCRK011		17.6	5.4	39	11.6	0.001		
BCRK012		13.4	6.7	37	36.9	<0.001		
BCRK013		21.5	5.2	51	14.0	0.001		
BCRK014		9.8	4.1	16	26.5	0.001		
BCRK015		1.6	15.3	63	69.1	0.001		
BCRK016		14.7	2.7	14	22.1	0.001		
BCRK017		0.3	1.6	8	3.7	0.001		
BCRK018		0.5	0.2	<2	1.0	<0.001		
BCRK019		28.6	5.9	23	22.2	0.001		
BCRK020		0.4	0.9	5	11.9	0.001		
BCRK021		3.5	24.6	28	21.4	<0.001		
BCRK022		6.1	2.2	37	13.3	<0.001		
BCRK023		9.7	2.3	28	9.3	<0.001		
BCRK024		3.6	2.3	36	11.9	<0.001		
BCRK025		18.4	1.1	27	6.9	0.001		
BCRK026		48.7	4.6	36	41.3	0.001		
BCRK027		24.6	5.0	66	52.0	0.017		
BCRK028		32.0	3.2	34	11.2	0.001		
BCRK029		1.1	1.4	12	9.4	0.001		
BCRK030		9.2	5.9	7	9.3	0.113		
BCRK031		23.0	7.8	69	30.0	0.002		
BCRK032		10.9	1.7	25	4.8	0.001		
BCRK033		19.3	4.9	22	33.6	0.001		
BCRK034		37.5	6.6	72	67.2	0.001		
BCRK035		226	6.8	52	35.5	0.004		
BCRK036		216	5.6	33	27.6	0.002		
BCRK037		107.5	3.9	31	17.8	0.001		
BCRK038		53.2	4.7	23	22.2	0.012		
BCRK039		23.9	2.5	22	7.8	0.001		
BCRK040		22.3	2.2	11	5.3	0.001		

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

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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

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Project: Barrow Creek

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Account: COREEXP

## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
BCRK041		3.63	0.06	6.78	1.7	140	59.3	87.6	0.12	<0.02	4.63	1.6	30	52.7	5.6	0.61
BCRK042		3.96	0.01	7.04	0.8	90	163.0	0.60	0.20	<0.02	18.55	1.9	13	39.7	8.6	0.49
BCRK043		3.66	0.06	7.16	1.5	90	89.9	2.44	0.14	<0.02	13.20	1.8	16	54.6	14.4	0.59
BCRK044		4.10	0.06	7.12	2.7	170	30.8	30.2	0.27	<0.02	18.70	3.0	29	61.6	10.4	1.19
BCRK045		4.52	0.04	5.19	1.4	100	17.15	3.84	0.22	<0.02	25.1	3.7	43	50.0	9.5	1.72
BCRK046		4.06	0.01	2.69	1.2	120	3.97	31.5	0.25	<0.02	29.4	2.2	55	23.1	4.7	1.05
BCRK047		4.71	0.02	7.32	1.8	370	44.4	29.7	0.16	<0.02	93.5	6.5	46	42.3	5.6	2.29
BCRK048		4.12	0.04	6.40	1.6	30	98.9	4.98	0.17	<0.02	4.23	1.0	17	24.2	7.9	0.60
BCRK049		4.67	0.12	7.08	1.5	70	6.19	4.90	0.24	0.04	5.74	1.8	16	15.85	8.6	0.70
BCRK050		3.72	0.06	7.33	0.6	50	4.85	3.83	0.20	<0.02	7.47	1.7	19	27.1	6.8	0.64
BCRK051		4.31	0.02	8.79	1.1	240	59.8	1.20	0.05	<0.02	5.26	1.3	30	124.0	4.5	0.76
BCRK052		3.87	0.04	3.49	1.2	310	11.50	58.3	0.12	0.03	69.8	5.3	62	37.7	9.0	1.71
BCRK053		6.13	0.06	6.70	4.3	370	27.1	1.60	0.26	<0.02	4.11	0.7	16	52.0	12.4	0.62
BCRK054		5.15	0.04	6.15	0.6	30	5.63	23.3	0.21	0.07	3.82	1.0	18	40.1	13.9	0.82
BCRK055		4.96	0.05	5.49	1.8	100	36.1	24.5	0.26	<0.02	4.73	1.4	34	53.5	13.4	0.90
BCRK056		5.45	0.08	6.93	2.5	130	38.2	11.85	0.21	<0.02	29.7	4.1	30	56.3	7.4	1.61
BCRK057		4.94	0.11	6.26	3.7	90	44.5	57.7	0.25	<0.02	20.0	1.6	34	51.7	12.4	0.89
BCRK058		4.82	0.02	4.13	0.6	150	4.38	5.51	0.56	<0.02	22.9	3.1	47	79.8	10.3	1.51
BCRK059		5.44	0.01	7.53	0.8	90	96.3	1.57	0.14	<0.02	5.86	1.7	19	114.0	9.1	0.70
BCRK060		7.50	0.03	7.40	1.2	50	19.20	3.66	0.27	<0.02	4.17	1.7	16	30.4	10.5	1.01
BCRK061		3.86	0.13	6.53	1.0	10	37.8	10.90	0.18	0.03	2.02	0.5	14	24.0	14.3	0.51
BCRK062		4.33	0.08	7.41	1.8	170	93.1	16.50	0.17	<0.02	5.33	1.3	15	42.5	8.9	0.72
BCRK063		4.75	0.05	6.93	1.0	60	26.4	4.51	0.19	<0.02	8.73	1.9	20	34.7	5.4	0.92
BCRK064		4.79	0.06	8.16	2.9	120	59.5	0.29	0.23	<0.02	3.43	2.1	20	102.0	10.5	0.91
BCRK065		5.99	0.17	7.76	1.4	410	87.0	2.04	0.08	<0.02	37.2	5.0	31	79.2	5.1	1.62
BCRK066		4.57	0.03	7.41	3.6	670	53.0	0.74	0.10	<0.02	67.4	5.9	33	91.6	9.7	1.83
BCRK067		3.50	0.03	3.73	1.3	180	7.91	2.69	0.54	<0.02	22.4	1.3	45	53.6	3.7	0.76
BCRK068		4.46	0.01	5.21	0.7	330	5.43	13.75	0.38	<0.02	21.6	1.5	22	67.7	5.5	0.89
BCRK069		4.95	0.01	6.93	1.4	90	2.17	0.84	0.18	<0.02	11.10	1.0	14	82.5	3.9	0.74
BCRK070		6.66	0.04	6.95	3.3	50	2.23	2.48	0.23	0.02	6.51	1.0	19	92.9	6.6	0.76
BCRK071		4.81	0.03	7.55	2.6	120	3.21	3.06	0.22	<0.02	8.58	1.6	24	87.2	5.9	0.80
BCRK072		5.70	0.02	7.60	2.5	80	3.12	0.51	0.31	<0.02	6.99	1.0	23	74.0	7.5	0.80
BCRK073		4.04	0.06	7.24	5.6	80	2.11	10.45	0.19	<0.02	4.57	1.4	18	143.5	6.8	0.65
BCRK074		5.07	0.04	7.43	1.4	320	40.2	0.36	0.21	0.07	5.43	2.1	18	33.5	10.1	0.72
BCRK075		5.76	0.02	7.55	3.4	60	1.76	0.44	0.34	<0.02	9.10	1.3	15	32.4	8.0	1.01
BCRK076		5.43	<0.01	7.17	1.0	40	2.37	0.44	0.06	<0.02	4.17	0.7	19	91.5	6.4	0.49
BCRK077		4.69	0.03	7.16	2.5	40	3.98	0.81	0.32	0.03	9.39	1.2	18	39.7	5.0	0.97
BCRK078		4.76	0.04	7.85	1.9	100	33.4	0.38	0.13	<0.02	3.08	1.2	10	225	5.7	0.36
BCRK079		5.66	0.03	7.63	2.9	90	1.37	1.34	0.22	0.04	5.09	0.7	14	101.5	4.1	0.64
BCRK080		5.39	0.06	7.01	1.3	30	2.15	0.33	0.21	<0.02	4.81	0.9	16	70.1	7.3	0.72

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

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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

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## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
BCRK041		23.9	0.05	1.9	0.011	3.18	2.9	42.8	0.03	321	2.29	1.97	55.6	3.8	1290
BCRK042		27.7	0.05	2.7	0.008	1.27	22.0	58.3	0.01	512	1.03	4.06	83.0	3.1	1380
BCRK043		22.8	0.09	1.2	0.011	4.33	10.5	36.0	0.03	431	1.46	2.08	44.6	3.9	1380
BCRK044		25.9	0.05	2.5	0.037	2.99	9.7	78.7	0.10	743	8.55	1.71	81.8	5.0	1280
BCRK045		20.9	0.05	2.8	0.140	1.50	12.9	84.4	0.18	1320	11.60	0.28	48.0	6.7	580
BCRK046		8.38	<0.05	1.6	0.044	0.85	13.7	69.3	0.12	268	7.07	0.13	14.5	5.1	1100
BCRK047		25.0	0.14	3.0	0.100	1.82	44.8	122.0	0.44	481	3.77	0.41	26.6	12.5	530
BCRK048		16.85	<0.05	0.5	0.017	3.48	2.0	24.6	0.04	242	1.64	2.01	25.2	2.3	950
BCRK049		18.05	<0.05	1.2	0.010	3.05	2.2	17.7	0.05	313	1.40	3.07	15.7	4.0	940
BCRK050		22.4	0.05	1.3	0.022	3.33	3.3	31.0	0.03	347	1.31	2.57	38.9	2.3	1040
BCRK051		35.1	<0.05	1.6	0.027	3.81	1.3	86.4	0.04	234	2.32	0.34	89.1	2.8	360
BCRK052		10.50	0.10	5.7	0.046	1.63	34.3	64.0	0.34	304	4.00	0.15	13.1	11.5	430
BCRK053		24.2	0.05	1.4	0.018	2.32	6.7	36.3	0.03	462	3.72	3.19	59.0	2.2	1520
BCRK054		17.55	<0.05	0.9	0.025	2.45	3.8	24.4	0.04	380	2.49	2.31	22.6	3.6	1060
BCRK055		20.0	<0.05	1.3	0.021	1.49	3.0	46.4	0.05	386	4.19	2.13	58.6	2.9	1420
BCRK056		28.4	0.07	3.0	0.022	1.50	15.1	98.3	0.22	579	2.41	1.84	58.0	8.2	880
BCRK057		24.0	<0.05	2.0	0.007	1.44	8.8	65.6	0.05	820	24.3	2.55	73.1	3.7	1130
BCRK058		17.05	0.07	6.5	0.056	1.11	8.7	101.0	0.13	575	3.32	0.23	29.7	5.3	2870
BCRK059		25.1	0.05	1.0	0.006	3.03	2.5	58.1	0.04	252	1.79	1.18	46.4	3.4	1030
BCRK060		24.1	<0.05	1.0	0.086	2.55	2.3	37.5	0.06	1140	2.73	2.21	60.6	3.0	1040
BCRK061		21.5	<0.05	1.2	0.021	2.74	1.6	16.7	0.02	660	2.05	3.11	64.8	1.4	1260
BCRK062		33.1	<0.05	2.6	0.025	2.46	5.1	51.9	0.04	638	2.48	2.41	112.5	3.1	960
BCRK063		24.0	<0.05	1.7	0.022	2.70	5.4	42.1	0.07	567	1.73	1.19	41.3	3.0	1060
BCRK064		29.0	<0.05	1.5	<0.005	3.17	2.1	144.0	0.10	335	1.55	2.47	41.4	3.9	1730
BCRK065		32.1	0.07	2.6	0.048	2.70	17.5	69.2	0.28	294	1.57	0.34	52.4	8.9	250
BCRK066		22.6	0.15	3.9	0.012	3.04	31.6	47.2	0.32	957	1.45	0.91	26.7	11.3	560
BCRK067		18.50	0.05	5.6	0.166	1.65	9.2	191.5	0.12	358	3.20	0.15	15.7	3.2	2550
BCRK068		22.8	0.05	2.3	0.217	2.32	8.2	268	0.16	313	1.76	0.19	22.7	3.3	1700
BCRK069		19.05	0.14	1.1	0.040	3.43	4.5	32.8	0.05	257	1.19	2.22	18.4	1.9	660
BCRK070		21.5	0.11	1.0	0.055	3.30	3.0	36.0	0.04	255	1.60	2.39	22.2	3.0	780
BCRK071		26.9	0.12	2.0	0.069	3.99	3.7	62.8	0.04	403	1.91	1.67	33.8	2.6	760
BCRK072		21.7	0.11	1.5	0.040	3.29	3.4	24.4	0.03	298	1.94	2.07	24.1	2.9	1270
BCRK073		18.10	0.11	0.8	0.046	5.03	1.9	30.8	0.03	286	1.74	1.55	15.8	2.3	930
BCRK074		24.9	0.12	2.6	<0.005	4.87	2.3	36.4	0.06	1420	1.42	1.25	73.0	4.1	1300
BCRK075		24.9	0.14	1.1	0.114	3.77	3.8	54.8	0.06	203	1.27	1.66	29.3	2.2	650
BCRK076		16.45	0.12	0.2	0.023	6.73	2.3	30.1	0.01	133	1.60	1.12	9.2	2.6	910
BCRK077		23.1	0.12	1.5	0.106	2.02	4.2	61.6	0.05	295	1.46	2.72	21.7	2.2	860
BCRK078		16.70	0.13	0.8	0.007	8.04	1.6	24.8	0.02	219	0.92	1.36	28.0	3.0	2470
BCRK079		18.15	0.12	0.6	0.036	4.90	2.8	31.2	0.03	148	1.16	2.39	11.0	1.8	900
BCRK080		19.20	0.12	0.9	0.030	3.44	2.4	36.5	0.03	202	1.36	2.72	17.4	3.2	840

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





Australian Laboratory Services Pty. Ltd.

32 Shand Street

Stafford

Brisbane QLD 4053

Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218

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Account: COREXP

## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
BCRK041		770	<0.002	<0.01	0.13	0.4	<1	54.0	21.1	67.6	0.18	1.31	0.012	3.71	2.5	2
BCRK042		560	<0.002	<0.01	0.09	0.1	<1	85.7	16.3	57.9	<0.05	2.20	<0.005	2.07	4.4	1
BCRK043		970	<0.002	<0.01	0.13	0.4	<1	58.4	22.8	38.2	0.05	1.32	0.010	4.67	2.6	2
BCRK044		760	0.017	<0.01	0.12	3.3	<1	110.0	17.3	42.5	0.09	3.47	0.038	3.54	2.3	8
BCRK045		520	0.013	<0.01	0.10	3.1	<1	81.2	19.1	45.9	<0.05	4.47	0.056	2.14	1.6	10
BCRK046		177.5	0.003	<0.01	0.08	3.9	1	40.1	14.6	14.70	0.08	6.62	0.068	0.66	0.9	13
BCRK047		333	<0.002	<0.01	0.05	13.6	<1	88.0	30.1	10.45	0.10	16.80	0.204	1.16	2.4	38
BCRK048		580	<0.002	<0.01	0.08	1.5	<1	29.3	6.8	13.90	<0.05	1.23	0.013	2.77	2.4	2
BCRK049		412	<0.002	<0.01	0.09	1.6	<1	13.8	17.0	13.60	<0.05	2.60	0.012	1.99	3.0	3
BCRK050		640	<0.002	<0.01	0.08	1.8	<1	47.3	7.1	28.4	<0.05	1.97	0.010	2.70	2.7	2
BCRK051		860	<0.002	<0.01	0.12	0.4	<1	139.0	12.0	76.4	<0.05	0.49	0.008	3.19	0.9	2
BCRK052		213	0.005	<0.01	0.11	4.9	<1	22.3	13.8	3.72	0.09	15.45	0.148	1.02	2.5	23
BCRK053		540	0.003	0.01	0.12	1.0	<1	63.2	13.7	31.8	<0.05	1.66	0.007	2.73	6.2	1
BCRK054		520	0.004	<0.01	0.11	1.3	<1	33.4	6.2	16.05	0.07	1.55	0.013	2.92	3.8	2
BCRK055		490	<0.002	<0.01	0.13	0.7	<1	68.1	16.8	36.5	0.08	1.65	0.014	2.05	3.8	2
BCRK056		520	<0.002	<0.01	0.10	3.5	<1	111.5	28.7	40.4	0.07	6.34	0.096	1.99	2.8	16
BCRK057		540	0.023	<0.01	0.13	1.3	<1	93.3	22.1	35.9	0.15	3.84	0.025	2.37	3.4	3
BCRK058		440	<0.002	<0.01	0.10	2.3	<1	56.7	22.9	22.1	0.06	3.43	0.044	1.72	6.3	8
BCRK059		870	<0.002	<0.01	0.09	0.5	<1	98.9	17.9	30.1	<0.05	0.63	0.005	3.61	1.7	2
BCRK060		610	0.030	<0.01	0.08	2.7	<1	67.5	10.3	19.75	<0.05	1.52	0.015	2.66	3.9	3
BCRK061		540	0.003	<0.01	0.10	0.8	<1	30.3	6.1	33.5	0.07	1.18	<0.005	2.68	4.1	<1
BCRK062		730	0.006	0.01	0.13	1.3	<1	97.7	15.2	80.0	0.10	2.00	0.012	2.99	7.7	2
BCRK063		550	<0.002	<0.01	0.07	2.2	1	84.6	11.5	33.0	0.05	2.34	0.027	2.19	3.2	5
BCRK064		1200	<0.002	<0.01	0.18	1.8	<1	122.0	32.9	34.8	<0.05	1.30	0.027	5.45	1.0	7
BCRK065		520	<0.002	0.01	0.12	6.1	<1	260	34.5	31.3	<0.05	7.52	0.091	1.85	1.3	19
BCRK066		470	<0.002	0.01	0.23	5.6	<1	80.8	29.5	20.8	<0.05	10.65	0.137	1.88	3.3	25
BCRK067		460	<0.002	<0.01	0.10	5.5	1	93.1	12.2	8.38	<0.05	7.61	0.037	1.66	2.0	9
BCRK068		600	<0.002	<0.01	0.09	6.9	1	144.0	18.4	10.40	0.06	4.34	0.049	2.10	1.7	12
BCRK069		560	<0.002	<0.01	0.13	3.5	<1	36.5	14.5	6.75	<0.05	3.64	0.021	3.12	1.8	1
BCRK070		500	<0.002	<0.01	0.24	4.4	1	40.5	10.0	9.75	<0.05	2.24	0.019	2.76	2.5	1
BCRK071		610	0.002	<0.01	0.27	5.5	1	82.9	10.4	12.95	<0.05	2.27	0.022	3.12	1.7	2
BCRK072		520	<0.002	<0.01	0.33	4.2	1	54.0	9.2	7.88	<0.05	3.11	0.023	2.45	3.6	1
BCRK073		810	<0.002	<0.01	0.32	3.0	<1	35.5	10.8	5.75	<0.05	1.68	0.015	4.58	2.8	1
BCRK074		670	<0.002	<0.01	0.12	0.9	<1	26.7	42.9	23.9	<0.05	1.45	0.016	3.30	6.7	4
BCRK075		450	<0.002	<0.01	0.18	10.2	1	92.7	15.3	5.56	<0.05	2.85	0.041	1.79	3.3	2
BCRK076		1090	<0.002	<0.01	0.14	2.0	<1	26.2	6.3	1.91	<0.05	0.43	0.010	6.65	0.7	1
BCRK077		308	<0.002	<0.01	0.19	6.9	1	27.6	10.7	5.40	<0.05	4.22	0.028	1.50	3.3	1
BCRK078		2430	<0.002	<0.01	0.26	0.6	<1	25.9	20.5	25.2	<0.05	0.51	0.006	15.45	1.2	1
BCRK079		700	<0.002	<0.01	0.22	2.4	<1	14.4	13.0	4.05	<0.05	1.79	0.011	4.11	1.8	1
BCRK080		540	<0.002	<0.01	0.20	2.8	<1	29.5	6.0	8.22	<0.05	1.64	0.013	3.01	3.6	1

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

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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

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## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21	PUL-QC	CRU-QC
		W	Y	Zn	Zr	Au	Pass75um	Pass2mm
		ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.001	% 0.01	% 0.01
BCRK041		21.3	2.4	26	21.7	0.003		
BCRK042		8.9	10.3	30	35.0	0.001		
BCRK043		19.5	4.5	15	18.0	<0.001		
BCRK044		2730	11.9	60	59.1	0.003		
BCRK045		2760	7.8	107	60.7	0.002	98.0	
BCRK046		362	9.8	44	43.4	0.003		
BCRK047		144.5	10.0	145	101.5	0.002		
BCRK048		16.3	4.0	27	10.9	0.001		
BCRK049		14.9	5.8	33	22.7	<0.001		
BCRK050		16.0	5.9	24	22.4	0.001		80.8
BCRK051		27.1	1.7	28	13.2	0.001		
BCRK052		490	12.2	40	201	0.002		
BCRK053		173.0	7.3	32	22.5	0.002		
BCRK054		530	5.8	44	17.4	0.001		
BCRK055		180.5	6.3	50	20.2	0.002		
BCRK056		37.3	6.5	105	80.4	0.001		
BCRK057		3180	6.0	29	53.8	0.003		
BCRK058		25.6	27.0	115	80.2	0.001		
BCRK059		30.2	7.1	28	10.7	0.002		
BCRK060		5420	8.6	45	17.1	0.002		
BCRK061		377	3.7	15	19.4	0.001		
BCRK062		830	4.6	21	35.6	0.002		
BCRK063		84.5	6.1	44	35.7	0.002		
BCRK064		23.5	2.8	69	12.6	0.002		
BCRK065		219	5.0	60	58.7	0.001		
BCRK066		15.6	9.8	43	108.0	0.001		
BCRK067		24.8	18.8	18	41.0	0.001		
BCRK068		34.2	21.1	31	25.9	0.001		
BCRK069		8.6	7.6	21	23.4	0.001		
BCRK070		10.6	6.3	28	18.1	0.001		
BCRK071		15.7	7.7	31	28.9	0.001		
BCRK072		13.4	9.8	27	32.3	0.001		
BCRK073		8.5	5.4	21	15.7	0.002		
BCRK074		8.3	3.5	23	35.2	0.001		
BCRK075		13.5	8.9	22	25.3	0.001		
BCRK076		4.6	2.9	15	4.6	0.002		
BCRK077		11.1	12.5	24	36.1	0.002		
BCRK078		3.4	2.4	7	8.4	0.001		
BCRK079		3.6	6.6	19	12.0	0.002		
BCRK080		5.8	5.8	26	20.1	0.001		

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



Australian Laboratory Services Pty. Ltd.

32 Shand Street  
Stafford  
Brisbane QLD 4053  
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218  
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## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
BCRK081		5.68	0.03	7.19	1.5	60	2.01	0.71	0.16	<0.02	5.01	0.9	22	66.9	4.3	0.81
BCRK082		3.91	0.04	7.71	1.0	170	52.6	0.94	0.16	<0.02	3.19	1.5	23	75.1	7.2	0.59
BCRK083		4.42	0.02	7.75	1.5	340	51.7	0.39	0.13	<0.02	4.26	1.2	15	43.6	5.4	0.66
BCRK084		4.53	0.01	2.60	0.7	60	7.06	3.60	0.02	<0.02	1.23	0.9	51	31.9	8.5	0.56
BCRK085		4.87	0.02	8.20	1.2	90	58.8	1.01	0.10	<0.02	3.73	1.7	9	147.0	9.0	0.38
BCRK086		5.39	0.07	7.13	1.1	40	3.58	3.14	0.12	<0.02	4.32	1.5	20	38.6	14.9	0.65
BCRK087		4.03	0.05	0.37	1.6	20	0.52	0.08	0.01	<0.02	3.39	1.0	55	1.43	4.3	0.52
BCRK088		4.24	0.03	6.87	1.3	200	0.93	0.43	0.14	0.03	64.3	11.5	59	3.83	6.3	2.70
BCRK089		5.81	0.04	6.82	0.9	80	11.10	0.22	0.28	0.05	7.14	2.5	13	6.63	27.0	0.69
BCRK090		1.03	0.01	3.20	1.2	170	1.03	0.09	3.54	0.09	28.8	12.6	54	7.08	8.5	4.87
BCRK091		5.94	0.03	6.64	0.8	100	24.1	2.41	0.11	0.06	5.76	1.7	9	25.7	7.5	0.57
BCRK092		6.20	0.01	6.81	0.7	190	12.10	3.16	0.08	<0.02	12.80	5.5	11	33.3	6.7	0.61
BCRK093		6.05	0.02	6.59	1.1	50	41.6	0.89	0.28	0.04	7.70	1.4	12	4.77	6.1	0.52
BCRK094		6.27	0.02	7.56	0.8	270	49.0	13.45	0.48	<0.02	13.95	1.7	23	133.0	11.9	1.57
BCRK095		4.31	0.05	7.23	0.6	40	166.0	1.16	0.42	<0.02	2.65	0.5	9	26.8	20.8	0.47
BCRK096		3.49	0.02	6.63	1.0	160	10.85	44.5	1.01	<0.02	27.3	1.5	29	117.5	12.8	1.32
BCRK097		4.88	0.02	1.66	0.9	70	3.19	0.59	0.03	<0.02	12.45	1.0	60	5.11	5.6	1.00
BCRK098		5.21	0.02	1.29	0.5	70	1.62	0.71	0.02	0.03	29.0	0.8	63	3.95	7.0	0.76
BCRK099		4.43	0.01	5.86	0.6	40	0.55	0.14	0.06	<0.02	1.77	1.3	47	0.26	2.6	0.44
BCRK100		5.09	0.02	8.39	0.3	10	1.73	0.16	0.15	0.06	2.87	3.1	39	0.45	4.1	0.79
BCRK101		4.54	0.03	5.52	1.8	220	3.97	0.54	0.15	0.02	16.15	1.8	24	18.35	8.4	0.62
BCRK102		4.02	0.14	7.30	4.7	120	1.52	0.94	0.13	<0.02	6.05	0.8	13	37.2	12.3	0.43
BCRK103		5.26	0.03	7.85	2.0	130	131.0	7.87	0.11	0.08	3.59	1.1	13	102.5	8.7	0.98
BCRK104		4.54	0.04	8.76	2.7	210	34.8	0.20	0.21	<0.02	4.93	1.4	16	77.1	4.2	0.46
BCRK105		3.43	0.05	7.42	7.7	400	7.24	0.81	0.35	0.02	24.1	2.8	14	54.7	8.2	0.89
BCRK106		4.32	0.06	6.78	2.9	340	4.41	1.93	0.25	<0.02	16.30	1.8	19	34.4	13.4	0.67
BCRK107		5.27	0.03	6.90	3.2	50	3.07	0.68	0.25	0.06	6.25	1.1	14	44.1	14.1	0.50
BCRK108		5.71	<0.01	2.96	2.5	130	3.44	0.13	0.07	<0.02	12.75	1.9	43	30.8	4.5	1.05
BCRK109		5.22	0.01	6.77	1.9	160	0.56	0.79	0.12	0.04	15.55	1.8	18	6.26	6.5	0.70
BCRK110		5.27	0.05	6.51	1.0	110	0.75	0.55	0.16	<0.02	10.35	2.3	18	18.20	3.7	0.78
BCRK111		4.10	0.04	4.72	1.6	330	54.5	0.30	0.05	<0.02	6.73	2.0	28	44.1	7.2	0.73
BCRK112		5.68	0.02	5.33	5.3	160	104.5	0.24	0.24	<0.02	32.6	1.4	41	55.1	4.9	0.89
BCRK113		5.99	0.07	3.05	17.1	80	21.0	0.67	0.15	<0.02	3.36	1.2	60	27.5	6.6	1.15
BCRK114		5.95	0.02	5.14	2.4	320	13.30	0.18	0.20	<0.02	7.44	2.4	34	36.4	4.4	0.79
BCRK115		4.48	0.06	8.02	3.3	410	52.3	2.79	0.08	<0.02	42.5	3.4	27	59.6	43.8	1.40
BCRK116		4.85	0.03	7.46	2.0	220	4.11	1.86	0.09	0.04	2.53	1.1	17	51.9	9.0	0.77
BCRK117		5.03	0.05	6.71	2.6	110	4.00	1.64	0.24	0.07	3.68	1.2	29	61.2	5.9	0.53
BCRK118		3.89	0.04	7.58	8.0	220	71.5	7.18	0.18	<0.02	9.43	1.2	16	25.1	11.2	0.68
BCRK119		5.96	0.01	6.78	4.1	110	40.4	3.36	0.06	<0.02	6.36	1.4	27	22.3	9.9	0.63
BCRK120		5.23	0.04	7.65	2.7	230	63.0	1.53	0.07	<0.02	7.95	1.4	13	31.2	7.2	0.72

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



Australian Laboratory Services Pty. Ltd.  
 32 Shand Street  
 Stafford  
 Brisbane QLD 4053  
 Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218  
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## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
BCRK081		18.80	0.13	1.0	0.049	5.09	2.6	37.4	0.03	168	1.83	1.74	15.6	2.3	650
BCRK082		33.5	0.09	1.0	<0.005	3.67	2.0	52.7	0.04	545	1.84	1.48	43.1	2.9	980
BCRK083		27.0	0.12	1.9	<0.005	3.37	3.1	24.5	0.03	1080	1.20	2.17	98.3	1.9	1300
BCRK084		13.20	0.13	0.1	0.010	0.91	<0.5	33.1	0.02	154	3.84	0.31	16.0	3.8	80
BCRK085		18.45	0.13	1.5	<0.005	6.89	0.9	19.3	0.03	127	0.73	2.12	16.0	2.1	1620
BCRK086		22.4	0.11	0.5	0.029	3.65	1.5	96.9	0.02	674	1.53	2.92	24.2	5.5	930
BCRK087		1.05	0.12	0.1	<0.005	0.09	1.4	9.1	0.03	95	3.76	0.05	0.5	2.8	30
BCRK088		27.3	0.17	2.0	0.068	0.72	31.5	16.1	0.66	172	2.13	0.84	1.5	22.1	260
BCRK089		14.95	0.10	0.5	0.023	1.65	1.6	9.7	0.03	476	1.03	4.41	6.2	4.5	510
BCRK090		14.85	0.11	1.7	0.070	0.44	9.4	36.2	0.46	942	3.61	0.30	4.4	14.3	380
BCRK091		23.5	0.10	1.7	0.011	2.68	1.5	18.2	0.01	1400	0.75	4.18	77.7	4.2	830
BCRK092		20.9	0.14	1.2	0.006	3.39	2.8	14.8	0.02	1190	0.90	3.67	54.7	7.7	710
BCRK093		22.0	0.11	1.2	0.009	0.30	1.6	16.1	0.02	1280	0.96	5.06	49.1	3.3	820
BCRK094		37.8	0.12	0.9	0.517	3.73	7.0	620	0.15	1310	1.97	0.24	83.7	2.8	2250
BCRK095		22.5	0.12	1.7	0.026	1.43	1.4	70.3	0.04	351	0.87	4.41	25.7	1.5	2360
BCRK096		34.6	0.13	1.4	0.318	3.08	12.7	470	0.10	1120	2.51	0.21	38.3	2.8	4830
BCRK097		4.40	0.11	0.5	0.013	0.53	6.7	132.0	0.10	75	3.31	0.04	3.7	3.9	150
BCRK098		3.66	0.11	0.4	0.009	0.33	15.1	90.4	0.06	81	4.01	0.02	3.3	4.0	230
BCRK099		2.21	0.11	7.6	0.005	0.03	0.7	8.4	1.45	44	0.93	0.33	9.0	3.3	40
BCRK100		6.58	0.12	1.2	0.007	0.02	1.4	20.5	2.57	67	0.87	0.66	0.4	6.6	120
BCRK101		11.60	0.11	1.1	0.009	3.56	8.2	17.8	0.07	282	2.15	1.36	7.5	3.6	430
BCRK102		17.15	0.10	0.5	0.030	4.90	3.6	14.6	0.02	107	1.17	2.38	6.0	1.6	620
BCRK103		23.6	0.12	2.6	0.016	5.11	3.1	69.2	0.03	2170	1.11	1.92	62.3	2.6	1200
BCRK104		22.5	0.11	1.6	0.016	5.99	2.6	58.3	0.03	298	1.38	2.01	54.8	1.9	1210
BCRK105		17.80	0.12	1.2	0.030	3.96	10.8	90.2	0.10	631	1.21	1.46	16.9	4.0	800
BCRK106		13.75	0.12	1.3	0.009	4.26	8.5	32.1	0.05	316	1.48	1.78	8.5	1.9	610
BCRK107		12.00	0.13	1.0	0.012	5.10	3.1	31.1	0.03	191	1.29	1.77	3.0	2.3	510
BCRK108		8.55	0.14	0.7	<0.005	1.61	11.1	38.9	0.06	197	2.59	0.09	27.1	3.4	500
BCRK109		12.50	0.10	2.8	0.005	4.98	7.7	9.7	0.13	127	1.44	2.16	6.6	3.5	360
BCRK110		12.30	0.13	1.4	0.007	4.88	5.2	10.8	0.22	162	1.38	1.89	5.4	2.9	360
BCRK111		13.70	0.09	0.3	0.010	3.46	3.1	31.2	0.07	291	2.30	0.48	23.9	4.5	440
BCRK112		24.6	0.14	1.5	<0.005	3.40	18.6	25.3	0.06	253	3.19	0.15	46.4	2.6	1350
BCRK113		14.75	0.08	1.9	<0.005	1.25	1.7	72.8	0.06	203	4.18	0.10	52.7	4.0	650
BCRK114		9.27	0.09	0.3	0.006	5.60	3.6	26.1	0.14	276	2.60	0.41	17.7	4.7	1200
BCRK115		27.9	0.12	2.5	0.057	3.62	19.4	91.6	0.19	620	1.31	1.15	52.6	7.5	760
BCRK116		22.2	0.10	1.0	0.008	3.23	2.0	30.6	0.02	1460	1.31	3.08	35.4	2.1	1160
BCRK117		21.3	0.09	0.7	0.022	2.82	2.3	54.3	0.03	531	2.21	2.79	40.2	2.8	1610
BCRK118		19.35	0.12	1.5	0.027	2.59	6.1	51.9	0.04	486	1.36	2.12	16.2	2.0	670
BCRK119		18.60	0.12	0.8	0.031	2.67	2.2	38.3	0.03	300	2.09	0.57	26.4	3.0	260
BCRK120		20.6	0.11	1.9	0.011	3.12	3.2	19.6	0.04	578	1.04	0.98	24.4	2.4	270

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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

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## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
BCRK081		760	0.003	<0.01	0.18	3.4	<1	27.1	7.8	3.60	<0.05	2.20	0.018	4.21	2.0	1
BCRK082		760	<0.002	0.01	0.13	0.7	<1	77.0	22.4	25.4	<0.05	0.46	0.006	3.48	1.5	1
BCRK083		610	<0.002	0.01	0.16	0.5	<1	110.0	27.7	46.0	<0.05	1.92	0.005	2.92	4.7	1
BCRK084		260	0.003	<0.01	0.17	0.4	<1	38.5	3.9	7.54	<0.05	0.13	0.005	1.10	0.4	1
BCRK085		1540	<0.002	<0.01	0.37	0.3	<1	27.9	24.8	21.6	<0.05	0.61	0.021	9.86	1.1	2
BCRK086		940	<0.002	<0.01	0.12	1.4	<1	38.2	3.3	8.92	<0.05	0.64	0.008	5.20	1.1	2
BCRK087		9.5	<0.002	<0.01	0.12	0.4	<1	2.1	2.6	0.18	<0.05	0.44	0.011	0.05	0.2	2
BCRK088		46.6	<0.002	<0.01	0.13	17.3	1	9.9	18.0	0.50	<0.05	14.05	0.127	0.27	2.7	74
BCRK089		165.5	<0.002	<0.01	0.08	1.4	<1	5.4	24.3	1.85	<0.05	0.41	0.009	0.84	2.0	6
BCRK090		50.7	<0.002	<0.01	0.43	15.5	1	3.0	235	0.65	<0.05	4.36	0.603	0.31	1.0	244
BCRK091		690	<0.002	<0.01	0.06	0.6	1	22.1	9.6	44.1	<0.05	2.66	0.007	3.74	8.4	4
BCRK092		830	<0.002	<0.01	0.07	0.7	<1	21.9	9.9	33.5	<0.05	2.06	0.012	4.40	5.4	7
BCRK093		85.4	<0.002	<0.01	0.07	1.5	<1	12.7	19.6	23.7	0.05	1.45	0.006	0.43	3.6	2
BCRK094		1160	0.019	<0.01	0.07	4.6	<1	192.5	10.7	47.3	<0.05	0.90	0.038	5.03	1.1	12
BCRK095		421	<0.002	<0.01	0.07	0.2	<1	27.5	25.0	15.50	<0.05	0.88	0.005	2.01	2.5	1
BCRK096		1010	0.004	<0.01	0.09	2.6	1	172.5	19.1	21.6	0.07	1.38	0.031	4.18	2.3	8
BCRK097		80.3	<0.002	0.01	0.10	3.4	<1	6.2	13.6	1.27	<0.05	1.81	0.045	0.31	1.4	12
BCRK098		54.4	<0.002	0.01	0.11	2.1	<1	6.8	17.3	1.36	<0.05	1.38	0.031	0.19	1.0	10
BCRK099		3.8	<0.002	<0.01	0.06	16.9	<1	2.7	12.8	1.25	<0.05	9.89	0.212	0.03	1.0	109
BCRK100		2.1	<0.002	<0.01	0.15	14.7	<1	12.5	22.4	0.31	<0.05	18.20	0.075	<0.02	0.4	84
BCRK101		265	<0.002	<0.01	0.14	3.8	<1	6.7	44.2	8.84	<0.05	2.97	0.023	1.11	2.9	2
BCRK102		411	<0.002	<0.01	0.15	2.4	<1	9.5	31.4	5.44	<0.05	0.87	0.017	1.32	2.1	<1
BCRK103		730	<0.002	<0.01	0.14	0.9	1	50.8	12.1	59.4	<0.05	0.80	0.008	3.51	6.6	1
BCRK104		860	<0.002	<0.01	0.19	0.7	1	46.2	37.3	38.4	<0.05	0.81	0.007	4.29	1.8	1
BCRK105		430	<0.002	0.01	0.22	3.6	1	40.7	58.1	6.80	<0.05	4.80	0.045	2.03	4.4	4
BCRK106		420	<0.002	0.01	0.14	3.2	1	15.0	62.6	7.92	<0.05	3.62	0.025	1.87	4.2	2
BCRK107		430	<0.002	<0.01	0.16	1.3	1	10.4	28.9	1.34	<0.05	1.47	0.010	2.09	4.7	<1
BCRK108		450	<0.002	0.01	0.14	0.5	2	25.0	14.3	32.2	<0.05	0.50	0.007	2.05	1.8	7
BCRK109		266	<0.002	0.01	0.17	3.5	1	2.2	22.0	2.33	<0.05	9.35	0.007	1.06	2.7	5
BCRK110		248	<0.002	<0.01	0.18	3.0	1	4.4	27.0	2.54	<0.05	4.98	0.017	0.98	2.9	4
BCRK111		900	<0.002	0.01	0.15	0.2	1	21.8	14.5	11.75	<0.05	0.40	0.008	4.78	0.7	2
BCRK112		1230	<0.002	0.01	0.14	0.3	1	47.8	19.7	27.6	<0.05	0.81	0.007	5.79	2.2	3
BCRK113		550	<0.002	0.01	0.20	0.2	<1	28.2	20.1	27.6	<0.05	0.63	0.006	2.10	17.4	3
BCRK114		860	<0.002	<0.01	0.25	0.9	<1	11.0	24.5	11.00	<0.05	0.37	0.008	4.22	1.1	8
BCRK115		820	<0.002	0.01	0.13	3.5	1	58.5	29.1	50.2	0.05	5.54	0.092	3.14	2.6	18
BCRK116		790	<0.002	0.01	0.18	1.4	1	28.1	16.7	10.25	<0.05	1.01	0.006	4.07	1.3	2
BCRK117		730	<0.002	<0.01	0.17	0.9	<1	36.4	9.1	11.25	<0.05	0.61	0.005	3.85	1.6	1
BCRK118		353	<0.002	0.01	0.16	0.7	<1	39.6	38.6	14.65	0.08	1.23	0.009	1.52	2.5	2
BCRK119		323	<0.002	<0.01	0.08	0.9	1	41.6	14.3	13.20	<0.05	1.11	0.010	1.21	1.4	2
BCRK120		410	<0.002	0.01	0.11	1.1	1	50.4	18.3	18.85	<0.05	2.12	0.014	1.45	3.0	3

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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

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Project: Barrow Creek

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## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-ICP21 Au ppm 0.001	PUL-QC Pass75um % 0.01	CRU-QC Pass2mm % 0.01
BCRK081		6.0	7.2	22	22.9	0.001		
BCRK082		11.4	2.6	31	8.5	0.001		
BCRK083		8.1	4.2	39	25.2	0.001		
BCRK084		6.5	0.4	7	1.5	0.001		
BCRK085		2.8	1.2	7	16.3	0.002	99.0	
BCRK086		6.8	1.8	25	7.4	0.001		
BCRK087		1.1	0.7	5	3.6	0.001		
BCRK088		7.7	13.7	61	61.4	0.001		
BCRK089		1.6	2.6	18	9.4	<0.001		
BCRK090		4.5	16.1	43	54.4	<0.001		82.7
BCRK091		5.1	2.4	18	25.4	0.001		
BCRK092		4.2	2.6	14	16.2	0.001		
BCRK093		3.1	2.9	22	20.2	0.001		
BCRK094		4340	7.2	87	7.4	0.001		
BCRK095		158.5	3.4	25	22.8	0.001		
BCRK096		1070	17.4	74	16.5	0.003		
BCRK097		12.5	2.9	7	15.0	0.001		
BCRK098		15.8	2.4	4	12.3	0.001		
BCRK099		5.5	4.2	5	243	0.001		
BCRK100		3.2	1.6	22	36.8	0.001		
BCRK101		4.7	8.6	15	21.8	0.001		
BCRK102		6.5	6.0	15	7.4	0.002		
BCRK103		9.4	5.2	21	26.0	<0.001		
BCRK104		8.7	3.9	11	19.6	0.001		
BCRK105		14.4	16.7	33	36.5	0.001		
BCRK106		5.0	19.6	16	36.6	0.001		
BCRK107		4.3	10.6	12	26.8	<0.001		
BCRK108		2.9	68.8	8	6.2	0.001		
BCRK109		1.0	25.5	5	50.0	0.001		
BCRK110		0.7	13.3	7	29.7	0.001		
BCRK111		2.0	2.7	16	4.2	0.001		
BCRK112		5.3	7.7	24	16.9	0.001		
BCRK113		4.7	4.7	24	20.1	<0.001		
BCRK114		2.0	10.0	5	5.0	0.001		
BCRK115		16.3	7.7	42	60.1	0.002		
BCRK116		5.4	2.6	22	15.2	<0.001		
BCRK117		7.2	3.1	24	11.4	0.001		
BCRK118		11.7	7.4	15	24.5	0.002		
BCRK119		15.0	2.3	12	14.5	0.002		
BCRK120		13.6	3.5	14	32.3	0.001		

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

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Australian Laboratory Services Pty. Ltd.

32 Shand Street  
Stafford  
Brisbane QLD 4053  
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218  
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## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
BCRK121		6.48	0.10	7.07	7.1	240	31.4	4.98	0.26	<0.02	17.05	1.1	19	29.7	11.8	0.67
BCRK122		5.00	0.17	8.55	7.2	210	65.9	1.74	0.34	<0.02	20.1	1.7	25	75.1	13.6	0.77
BCRK123		6.63	0.04	7.85	6.0	280	76.4	0.69	0.27	0.03	9.27	1.4	21	47.2	13.3	0.54
BCRK124		4.95	0.04	7.63	12.9	390	82.0	2.42	0.24	0.06	8.14	2.3	19	54.6	9.7	0.57
BCRK125		5.37	0.06	7.85	3.5	300	93.2	2.40	0.16	<0.02	14.80	2.5	15	28.9	9.4	0.70
BCRK126		5.63	0.02	8.03	3.0	190	58.0	1.46	0.10	<0.02	9.35	1.3	28	100.5	5.7	0.82
BCRK127		5.64	0.08	7.66	0.9	250	4.95	2.27	0.16	0.09	3.67	1.5	19	23.5	7.0	0.76
BCRK128		6.62	0.04	7.62	5.9	310	8.68	1.38	0.17	0.02	23.6	1.9	23	33.0	4.8	0.81
BCRK129		4.45	0.11	7.48	4.0	230	6.25	0.65	0.11	<0.02	9.46	1.0	22	29.7	7.6	0.58
BCRK130		6.46	0.29	7.55	3.9	280	11.05	1.92	0.10	<0.02	12.20	1.7	16	36.1	5.9	0.81
BCRK131		5.42	0.07	8.63	3.1	330	6.21	1.93	0.12	<0.02	12.40	1.7	17	31.1	8.6	0.75
BCRK132		5.73	0.05	7.44	19.1	140	122.0	1.36	0.11	0.03	5.35	1.4	19	46.4	13.0	0.63
BCRK133		4.56	0.11	7.82	47.9	260	123.0	1.31	0.25	0.02	4.37	1.2	14	54.2	11.9	0.54
BCRK134		6.86	0.13	7.87	5.3	120	66.9	0.21	0.37	0.08	5.25	3.8	14	51.4	17.8	0.49
BCRK135		5.85	0.05	7.51	3.1	300	4.30	3.97	0.21	<0.02	7.21	1.2	17	37.2	6.2	0.80
BCRK136		5.87	0.04	7.36	1.7	160	6.97	2.75	0.15	<0.02	7.14	1.7	13	75.7	6.2	0.80
BCRK137		6.26	0.18	8.33	2.1	270	107.0	0.14	0.22	0.02	13.10	1.7	31	54.2	8.6	0.77
BCRK138		7.78	0.07	7.86	2.0	330	94.6	0.26	0.15	<0.02	4.37	0.9	36	83.4	5.7	0.72
BCRK139		5.56	0.10	8.82	1.4	490	30.2	0.27	0.27	<0.02	7.24	1.0	30	136.0	3.4	0.75
BCRK140		7.13	0.23	8.19	1.9	400	6.00	0.97	0.16	<0.02	16.25	3.2	27	48.0	8.3	0.90
BCRK141		5.83	0.70	0.15	16.3	3160	8.53	23.5	0.01	<0.02	1.26	2.1	16	0.46	7620	1.73
BCRK142		5.21	0.51	0.39	10.4	5310	0.64	22.8	0.01	<0.02	3.70	1.0	7	0.61	206	0.45
BCRK143		6.94	0.08	7.49	1.3	4870	80.4	2.56	0.09	<0.02	5.21	2.3	18	18.70	11.2	0.64
BCRK144		7.47	0.04	7.65	1.1	640	112.0	0.28	0.04	<0.02	3.47	2.1	22	34.4	5.8	0.76
BCRK145		8.62	0.02	7.78	1.7	380	131.5	0.95	0.10	0.03	5.37	2.0	12	26.3	4.5	0.75
BCRK146		5.95	0.04	7.85	1.2	310	150.5	2.25	0.12	<0.02	17.05	2.3	19	28.3	5.4	0.96
BCRK147		4.85	0.07	6.84	0.8	480	73.4	0.59	0.05	<0.02	2.96	1.2	21	16.90	3.9	0.67
BCRK148		6.68	<0.01	8.17	0.9	200	5.26	0.71	0.32	<0.02	3.65	1.4	16	35.4	3.7	0.68
BCRK149		6.17	<0.01	7.94	1.3	370	7.01	0.57	0.34	<0.02	5.80	2.1	21	65.9	3.8	0.88
BCRK150		6.77	<0.01	7.99	1.2	660	13.80	0.13	0.18	<0.02	7.43	2.1	17	69.0	5.4	0.79
BCRK151		6.79	<0.01	8.49	1.9	470	116.5	1.11	0.14	0.03	5.95	1.1	16	48.6	4.0	0.61
BCRK152		6.87	<0.01	7.83	1.7	880	154.5	0.53	0.14	0.02	4.87	1.6	12	69.2	3.3	0.44
BCRK153		5.50	0.10	7.75	2.9	720	12.50	1.33	0.02	0.02	6.74	1.3	16	23.1	6.6	0.47
BCRK154		4.83	<0.01	4.48	1.2	240	19.00	0.44	0.11	<0.02	2.30	2.2	32	199.0	8.7	0.57
BCRK155		5.64	<0.01	7.77	0.9	1280	5.98	0.79	0.11	0.05	8.44	2.5	21	25.7	22.9	0.73
BCRK156		5.36	<0.01	7.59	0.9	80	71.4	1.76	0.06	<0.02	6.76	1.7	12	163.5	5.8	0.74
BCRK157		6.16	<0.01	7.70	1.0	300	113.5	0.60	0.06	<0.02	9.31	2.6	11	30.0	3.9	0.63
ABCO01		4.81	<0.01	7.19	0.7	480	2.24	0.53	0.47	<0.02	9.30	1.2	31	12.50	5.3	0.75
ABCO02		4.76	0.01	8.05	1.0	490	63.7	0.27	0.09	0.02	5.67	1.9	16	17.60	19.5	0.59
ABCO03		6.22	<0.01	8.00	0.7	600	87.9	0.45	0.09	0.04	9.57	1.3	20	18.65	10.3	0.66

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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

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Project: Barrow Creek

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Plus Appendix Pages  
Finalized Date: 15-MAY-2017  
Account: COREXP

## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
BCRK121		20.2	0.12	1.6	0.049	3.76	8.7	69.5	0.05	439	1.52	1.06	23.4	3.0	1330	31.4
BCRK122		30.5	0.12	3.4	0.018	4.03	11.0	143.5	0.06	571	1.77	2.18	84.5	2.8	2650	36.7
BCRK123		24.1	0.12	1.3	0.009	3.52	5.1	24.7	0.02	378	1.56	1.94	90.7	3.1	2120	13.9
BCRK124		21.4	0.11	0.9	0.014	3.77	4.3	34.3	0.03	573	1.51	1.44	46.5	2.1	2110	16.0
BCRK125		18.85	0.12	1.3	0.024	2.34	6.6	19.2	0.05	544	1.31	1.83	14.6	3.8	550	20.3
BCRK126		22.4	0.11	1.9	0.010	3.05	6.5	21.1	0.04	1450	1.98	0.89	25.8	2.1	570	16.4
BCRK127		22.5	0.09	1.7	0.017	2.95	5.2	15.6	0.02	2850	1.50	3.44	27.7	3.3	1410	10.1
BCRK128		21.1	0.14	2.6	0.016	3.81	14.2	22.7	0.06	1300	1.95	1.84	49.0	3.3	1490	21.0
BCRK129		23.1	0.11	0.9	0.016	2.69	6.2	16.5	0.04	314	1.61	1.25	50.1	3.1	780	12.5
BCRK130		24.2	0.13	1.6	0.020	3.16	6.5	26.4	0.04	950	1.30	2.07	37.3	2.8	840	9.0
BCRK131		25.7	0.10	2.2	0.022	2.80	7.6	15.3	0.03	1020	1.38	2.43	55.9	3.4	800	19.1
BCRK132		24.2	0.11	1.0	0.016	2.97	2.9	24.8	0.02	233	2.11	1.58	55.3	1.9	3010	14.1
BCRK133		20.5	0.10	1.3	0.007	3.81	2.9	23.0	0.02	270	1.18	2.73	45.7	1.8	2110	15.9
BCRK134		19.45	0.11	0.4	<0.005	3.45	2.6	16.7	0.02	594	1.17	3.76	32.9	2.5	2820	12.4
BCRK135		20.8	0.11	1.2	0.017	2.31	4.7	8.5	0.03	306	1.39	2.22	29.2	1.9	820	9.6
BCRK136		18.80	0.10	0.9	0.024	3.19	4.0	12.8	0.03	359	0.98	2.26	17.2	2.4	870	12.9
BCRK137		27.8	0.08	3.1	0.012	2.62	8.3	43.7	0.07	392	1.92	2.64	72.1	3.4	1780	22.6
BCRK138		23.2	0.07	2.2	0.050	3.37	2.1	19.3	0.06	107	2.35	0.21	51.2	2.3	1410	12.2
BCRK139		23.4	0.09	2.2	0.055	3.60	3.2	21.8	0.08	153	1.87	0.25	50.8	2.7	1360	10.0
BCRK140		34.5	0.10	1.1	0.024	3.18	6.6	42.5	0.05	1040	1.80	2.11	75.7	4.6	1370	8.9
BCRK141		0.52	0.05	<0.1	0.767	0.05	1.3	21.0	<0.01	58	2.16	0.01	0.6	2.8	990	1.2
BCRK142		1.21	<0.05	0.3	0.145	0.13	2.5	7.4	0.01	70	0.57	0.01	1.1	1.1	40	2.9
BCRK143		17.60	0.07	1.1	0.008	1.98	2.6	70.8	0.03	623	1.19	3.69	13.8	3.7	490	18.0
BCRK144		22.6	0.08	1.3	<0.005	2.42	1.8	80.8	0.03	379	1.48	3.18	24.5	2.4	280	13.9
BCRK145		19.45	0.10	2.0	0.006	2.90	4.7	37.1	0.03	1020	0.90	3.08	19.2	2.5	690	15.5
BCRK146		20.4	0.09	1.9	0.011	2.31	8.8	49.8	0.09	759	0.96	3.16	24.7	3.8	690	14.7
BCRK147		17.60	0.08	1.7	0.006	1.15	1.5	49.2	0.04	306	1.42	3.52	18.1	2.1	180	6.2
BCRK148		28.7	0.09	2.1	<0.005	1.29	4.1	129.5	0.02	521	1.12	4.40	70.4	2.1	1830	5.0
BCRK149		35.9	0.12	0.6	<0.005	2.25	6.8	253	0.01	741	1.44	2.91	56.8	1.9	1930	3.8
BCRK150		31.7	0.10	0.8	<0.005	2.45	6.3	175.0	0.01	620	1.14	2.95	45.4	2.5	1280	6.1
BCRK151		25.8	0.09	1.4	0.006	2.83	3.8	152.0	0.02	310	1.08	2.80	49.4	2.1	900	9.4
BCRK152		16.60	0.10	0.6	<0.005	2.00	3.3	161.0	0.01	566	0.86	4.09	36.6	2.6	910	12.4
BCRK153		3.98	0.11	0.1	<0.005	7.05	3.4	17.8	0.02	178	1.02	0.10	2.8	2.1	30	1.1
BCRK154		7.64	0.13	0.1	<0.005	5.22	1.5	26.8	0.01	234	2.16	0.21	147.0	4.6	1160	8.7
BCRK155		18.95	0.09	0.8	0.007	2.63	4.1	48.2	0.03	664	1.41	3.49	31.2	4.7	830	8.6
BCRK156		20.3	0.09	3.1	0.009	1.89	3.6	144.0	0.02	945	0.90	3.56	30.0	4.9	390	9.4
BCRK157		17.35	0.09	1.5	0.005	2.76	2.1	55.5	0.02	699	0.78	3.46	9.5	4.2	420	10.2
ABC001		20.1	0.11	0.9	0.040	1.97	6.0	9.6	0.07	135	2.19	1.79	14.2	3.2	780	10.0
ABC002		16.30	0.12	0.5	0.012	3.73	4.6	8.4	0.03	558	1.00	2.52	9.3	2.4	790	34.1
ABC003		19.75	0.10	0.3	0.005	3.06	6.0	9.4	0.03	651	1.25	2.71	13.9	3.5	720	27.6

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





Australian Laboratory Services Pty. Ltd.

32 Shand Street

Stafford

Brisbane QLD 4053

Phone: +61 (7) 3243 7222

Fax: +61 (7) 3243 7218

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Finalized Date: 15-MAY-2017

Account: COREXP

Project: Barrow Creek

## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
BCRK121		470	<0.002	0.01	0.13	1.3	1	43.7	22.0	20.7	0.05	3.33	0.024	2.07	2.1	4
BCRK122		1110	<0.002	<0.01	0.22	1.4	1	64.1	45.7	73.2	<0.05	4.73	0.043	5.13	3.5	6
BCRK123		1110	<0.002	0.01	0.13	0.3	<1	21.2	41.9	42.8	<0.05	0.95	0.007	5.52	2.7	2
BCRK124		1090	<0.002	0.01	0.11	0.6	1	21.8	49.2	19.80	<0.05	1.04	0.011	5.52	2.1	3
BCRK125		275	<0.002	0.01	0.18	1.0	1	40.5	36.3	11.35	<0.05	1.28	0.015	0.99	2.5	4
BCRK126		600	<0.002	<0.01	0.15	1.1	1	103.0	20.5	15.85	<0.05	1.86	0.012	2.36	3.0	2
BCRK127		620	<0.002	0.01	0.11	1.4	1	24.0	9.5	9.93	<0.05	0.95	0.005	2.93	2.6	1
BCRK128		600	<0.002	0.01	0.17	1.3	1	38.5	42.9	20.7	<0.05	4.71	0.036	2.71	2.5	5
BCRK129		490	<0.002	0.01	0.36	1.1	1	60.2	25.6	20.8	<0.05	1.00	0.013	1.74	1.6	3
BCRK130		690	<0.002	0.01	0.14	1.8	<1	46.3	15.6	16.40	<0.05	1.72	0.018	3.19	1.7	4
BCRK131		560	<0.002	0.01	0.19	1.5	1	52.1	22.9	27.2	<0.05	1.79	0.011	2.17	3.3	3
BCRK132		910	<0.002	0.01	0.13	0.4	<1	23.8	35.5	19.65	<0.05	0.71	0.007	4.35	3.5	1
BCRK133		1190	<0.002	0.01	0.15	0.3	1	17.2	31.4	40.4	<0.05	0.89	0.007	6.64	1.9	1
BCRK134		1140	<0.002	<0.01	0.13	0.2	<1	11.8	17.2	11.70	<0.05	0.70	0.007	6.38	1.8	2
BCRK135		362	<0.002	0.01	0.38	2.5	<1	47.0	15.7	24.0	<0.05	1.81	0.013	1.46	2.3	1
BCRK136		510	<0.002	0.01	0.22	2.4	<1	28.9	12.8	9.82	<0.05	1.51	0.014	2.61	2.2	1
BCRK137		750	<0.002	0.01	0.24	1.1	<1	57.2	35.9	54.1	<0.05	2.84	0.029	3.14	3.2	5
BCRK138		710	<0.002	<0.01	0.14	0.7	<1	49.7	27.1	42.4	<0.05	0.82	0.015	2.66	1.1	4
BCRK139		740	<0.002	<0.01	0.17	0.8	<1	50.3	35.8	>100	<0.05	1.42	0.020	3.09	1.5	6
BCRK140		1050	<0.002	0.01	0.23	2.0	<1	97.8	21.5	19.70	<0.05	2.10	0.022	4.66	2.5	5
BCRK141		6.8	<0.002	0.16	0.41	0.1	<1	4.3	2790	0.25	<0.05	0.05	<0.005	0.04	4.2	3
BCRK142		7.5	<0.002	0.23	0.35	0.6	<1	3.0	2880	0.14	<0.05	0.40	0.031	0.04	0.3	4
BCRK143		310	0.002	0.12	0.10	0.6	<1	30.4	136.0	6.02	<0.05	0.72	0.009	1.56	0.9	3
BCRK144		500	<0.002	0.01	0.15	0.3	<1	50.9	35.1	8.12	<0.05	0.49	<0.005	2.32	0.7	2
BCRK145		412	<0.002	0.01	0.12	0.2	<1	27.2	13.9	13.90	<0.05	0.74	<0.005	2.13	1.4	2
BCRK146		382	<0.002	<0.01	0.10	1.7	<1	34.2	28.8	18.60	<0.05	2.89	0.033	1.89	1.5	7
BCRK147		245	<0.002	0.01	0.15	0.6	<1	43.2	32.0	8.05	<0.05	0.58	0.010	1.05	0.8	3
BCRK148		660	<0.002	0.01	0.15	0.3	<1	52.2	19.5	32.8	<0.05	1.12	<0.005	2.75	2.6	1
BCRK149		1230	<0.002	0.01	0.13	0.3	<1	89.9	26.4	13.50	<0.05	0.62	<0.005	5.04	1.3	1
BCRK150		1130	<0.002	0.02	0.16	0.5	<1	80.6	25.9	12.20	<0.05	0.80	0.006	5.18	1.7	2
BCRK151		690	<0.002	0.01	0.09	0.4	<1	45.4	25.6	20.7	<0.05	1.00	0.007	3.37	4.9	2
BCRK152		570	<0.002	0.02	0.09	0.1	<1	31.3	9.2	25.0	<0.05	0.49	<0.005	3.36	1.6	1
BCRK153		740	<0.002	0.01	0.22	0.1	<1	4.6	48.2	4.03	<0.05	0.13	<0.005	8.10	0.5	2
BCRK154		1710	<0.002	0.01	0.15	0.2	<1	11.7	24.2	100.0	0.06	2.30	0.005	10.45	0.3	2
BCRK155		430	<0.002	0.03	0.08	0.7	<1	25.5	7.5	25.1	<0.05	0.51	0.006	2.34	0.6	2
BCRK156		710	<0.002	<0.01	0.15	0.3	<1	46.8	8.6	49.4	<0.05	0.95	<0.005	4.16	2.5	1
BCRK157		580	<0.002	0.01	0.09	0.3	<1	19.0	9.1	2.80	<0.05	0.56	0.005	3.39	0.9	2
ABCO01		185.0	<0.002	0.01	0.17	6.2	<1	11.8	90.2	4.17	0.06	1.47	0.024	0.40	2.1	2
ABCO02		500	<0.002	0.02	0.11	0.7	<1	14.0	29.4	4.56	<0.05	0.63	<0.005	2.31	1.5	1
ABCO03		560	<0.002	0.02	0.14	1.1	<1	17.3	23.9	4.33	<0.05	1.36	0.007	2.56	1.2	2

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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

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Project: Barrow Creek

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 Plus Appendix Pages  
 Finalized Date: 15-MAY-2017  
 Account: COREEXP

## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-ICP21 Au ppm 0.001	PUL-QC Pass75um % 0.01	CRU-QC Pass2mm % 0.01
BCRK121		16.4	6.3	16	42.3	0.002		
BCRK122		15.4	8.2	45	73.0	0.001		
BCRK123		4.8	3.8	28	16.7	<0.001		
BCRK124		4.3	2.9	47	12.5	0.001		
BCRK125		16.5	5.3	13	23.5	0.001	99.0	
BCRK126		19.2	6.3	27	32.4	0.001		
BCRK127		5.7	7.5	22	28.0	<0.001		
BCRK128		11.7	6.9	23	70.6	0.001		
BCRK129		17.5	4.3	15	14.9	<0.001		
BCRK130		11.5	4.5	27	31.3	0.001		78.8
BCRK131		15.5	8.5	21	40.0	0.001		
BCRK132		6.0	1.8	29	12.9	<0.001		
BCRK133		4.8	2.5	22	17.3	<0.001		
BCRK134		1.9	1.8	21	6.1	0.001		
BCRK135		11.2	6.3	30	19.2	0.001		
BCRK136		5.3	9.8	38	18.3	0.001		
BCRK137		12.8	7.3	23	57.7	0.001		
BCRK138		18.5	4.4	8	24.0	0.001		
BCRK139		23.3	2.1	10	18.4	0.002		
BCRK140		18.8	4.8	49	21.2	0.002		
BCRK141		1.1	1.7	2	0.8	0.002		
BCRK142		1.1	1.0	<2	8.7	0.002		
BCRK143		4.0	3.3	15	14.6	0.001		
BCRK144		6.7	3.6	14	16.3	0.003		
BCRK145		7.5	5.3	11	23.2	0.001		
BCRK146		9.8	6.1	25	30.6	0.002		
BCRK147		7.6	3.7	9	19.0	0.002		
BCRK148		9.2	6.8	31	29.0	0.001		
BCRK149		13.8	7.0	86	9.6	0.001		
BCRK150		10.3	6.7	66	11.9	0.001		
BCRK151		5.9	4.2	25	21.5	0.001		
BCRK152		3.4	2.9	20	6.5	0.002		
BCRK153		1.0	4.0	<2	2.7	0.004		
BCRK154		3.9	1.1	7	1.6	0.002		
BCRK155		3.9	5.1	29	13.4	0.002		
BCRK156		3.9	5.5	34	35.2	0.001		
BCRK157		2.0	2.7	17	19.3	0.002		
ABC001		10.3	11.0	10	18.9	0.003		
ABC002		6.3	4.8	13	9.5	0.003		
ABC003		6.6	4.1	20	6.3	0.002		

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



Australian Laboratory Services Pty. Ltd.

32 Shand Street  
Stafford  
Brisbane QLD 4053  
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218  
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## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
ABC004		4.87	<0.01	8.10	0.9	380	92.1	0.10	0.09	<0.02	14.95	2.5	23	25.4	4.7	0.75
ABC005		4.83	<0.01	8.01	1.9	450	8.83	0.24	0.02	<0.02	8.59	1.1	27	63.9	9.0	0.85
ABC006		5.64	0.04	6.05	1.1	260	39.5	1.68	0.10	<0.02	34.8	2.2	35	16.45	15.1	1.00
ABC007		5.53	<0.01	7.71	<0.2	400	21.3	0.08	0.10	<0.02	16.25	1.3	22	20.3	4.4	0.75
ABC008		5.31	0.02	2.15	0.5	20	0.72	0.06	0.06	0.03	2.53	1.5	56	0.57	7.7	0.61
ABC009		4.20	0.04	7.87	0.9	200	123.5	0.84	0.03	<0.02	25.0	2.1	32	38.0	4.7	1.22
ABC010		6.55	0.02	8.82	2.1	180	106.0	1.46	0.36	<0.02	6.60	1.0	18	128.0	3.3	0.90
ABC011		6.79	0.02	7.87	0.6	80	81.6	3.38	0.04	0.03	3.03	2.0	16	51.4	5.0	0.50
ABC012		8.51	<0.01	7.65	0.9	70	147.0	0.51	0.10	<0.02	2.37	1.1	23	53.4	3.0	0.61
ABC013		5.74	0.01	5.66	0.4	20	112.5	15.60	0.07	0.02	1.38	0.6	33	37.6	6.0	0.54
ABC014		8.11	0.01	7.57	1.1	120	94.0	2.64	0.04	<0.02	4.15	2.2	23	30.8	4.5	0.69
ABC015		6.23	<0.01	6.52	1.5	50	215	0.41	0.05	<0.02	1.94	0.6	34	40.5	4.7	1.09
ABC016		7.56	<0.01	7.28	1.8	40	199.5	11.50	0.05	<0.02	1.69	0.7	24	67.3	5.1	0.55
ABC017		7.89	0.04	7.80	1.7	60	102.5	56.4	0.02	<0.02	4.16	0.8	19	49.7	12.6	0.64
ABC018		5.10	0.03	7.57	1.4	320	136.0	28.6	0.08	0.15	5.22	1.1	16	27.3	5.3	0.51
ABC019		5.67	0.02	7.73	1.3	160	180.5	16.00	0.21	0.07	5.34	1.2	17	40.6	3.6	0.55
ABC020		5.68	<0.01	8.60	1.4	120	155.0	1.14	0.02	0.03	5.52	0.6	24	70.9	2.6	0.87
ABC021		6.55	0.02	7.97	1.4	110	60.0	1.52	0.03	0.04	2.60	0.6	11	61.6	2.7	0.40
ABC022		7.14	<0.01	8.72	1.2	70	61.9	1.50	0.30	0.14	3.63	1.3	11	101.0	3.2	0.37
ABC023		8.07	0.02	6.97	1.8	20	95.9	2.16	0.04	<0.02	2.82	0.7	20	43.7	3.3	0.64
ABC024		7.36	0.04	7.98	1.7	140	185.5	0.39	0.20	0.18	4.57	1.1	12	28.0	5.0	0.68
ABC025		4.60	<0.01	8.36	1.3	70	90.0	1.33	0.25	<0.02	3.05	0.7	24	76.3	3.4	0.65
ABC026		5.71	<0.01	7.29	1.9	110	171.0	0.67	0.08	<0.02	6.04	0.9	39	55.6	2.7	0.65
ABC027		6.25	<0.01	7.91	1.0	40	68.4	0.27	0.08	0.03	3.63	0.6	15	205	2.3	0.39
ABC028		6.33	0.01	6.94	0.7	110	49.3	0.39	0.01	<0.02	3.64	0.6	30	29.2	4.1	0.69
ABC029		5.96	<0.01	9.43	2.2	40	141.0	3.22	0.26	0.02	2.55	0.8	9	111.5	2.3	0.34
ABC030		6.87	0.01	9.03	1.9	70	95.9	14.95	0.08	0.07	3.09	0.8	9	98.7	8.4	0.40

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

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Australian Laboratory Services Pty. Ltd.  
 32 Shand Street  
 Stafford  
 Brisbane QLD 4053  
 Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218  
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## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
ABC004		17.55	0.12	0.5	0.039	2.36	6.9	7.1	0.05	579	1.67	2.04	11.7	2.8	440	18.9
ABC005		18.05	0.11	1.4	0.044	3.31	8.4	7.3	0.06	76	1.61	0.29	20.0	2.8	210	11.1
ABC006		15.00	0.16	2.3	0.044	2.40	19.6	8.7	0.12	254	1.96	0.26	14.7	4.8	580	24.8
ABC007		19.10	0.14	0.5	0.058	3.08	10.4	10.4	0.10	93	1.28	0.27	14.5	3.8	590	8.3
ABC008		1.96	0.09	0.3	<0.005	0.03	1.2	11.7	0.59	81	3.60	0.15	0.4	7.5	40	2.3
ABC009		21.0	0.15	0.6	0.012	2.85	11.9	51.2	0.12	226	1.89	0.36	13.7	6.1	360	11.1
ABC010		25.4	0.15	0.5	0.017	4.34	3.6	92.5	0.09	327	1.19	1.98	38.8	2.0	2510	16.7
ABC011		15.90	0.11	0.2	<0.005	4.86	1.2	52.6	0.02	526	1.02	2.29	9.7	3.0	960	14.1
ABC012		21.3	0.09	0.3	0.012	2.27	1.6	109.5	0.02	236	1.53	2.82	19.0	1.8	1000	6.4
ABC013		16.20	0.08	0.1	0.005	1.86	0.6	82.1	0.02	134	2.13	2.07	13.5	3.4	840	5.2
ABC014		16.40	0.05	0.3	0.011	2.82	1.9	33.8	0.03	481	1.82	1.69	8.3	4.0	530	8.3
ABC015		20.2	<0.05	0.6	0.005	2.39	1.1	80.1	0.04	377	2.53	0.22	12.8	2.6	340	4.2
ABC016		22.2	0.05	1.5	0.008	3.66	1.0	64.3	0.02	167	1.98	1.78	25.3	2.1	1640	18.9
ABC017		23.1	<0.05	0.9	0.017	3.17	3.3	108.5	0.04	172	1.55	1.04	19.3	2.2	640	20.7
ABC018		17.50	<0.05	1.1	0.006	1.07	3.2	45.3	0.02	1380	1.28	4.51	8.1	2.4	830	7.0
ABC019		16.20	<0.05	1.1	0.006	3.32	3.5	20.0	0.03	652	1.45	3.39	14.1	2.1	1500	21.8
ABC020		30.6	<0.05	0.7	0.030	3.76	4.0	120.5	0.05	175	1.67	0.19	34.0	1.8	260	5.3
ABC021		13.45	<0.05	0.2	0.005	5.27	1.5	20.2	0.01	95	0.93	1.10	5.8	1.5	1110	53.7
ABC022		20.7	0.06	2.7	0.005	3.63	2.6	25.4	0.01	652	1.03	4.01	33.6	2.3	2610	14.1
ABC023		18.60	<0.05	0.6	0.005	3.08	1.3	54.8	0.03	235	1.65	2.36	11.7	1.5	850	10.9
ABC024		21.0	<0.05	1.3	<0.005	1.42	3.3	55.6	0.03	1040	1.04	4.28	13.8	2.1	1580	6.2
ABC025		35.1	<0.05	1.3	0.006	3.98	2.0	110.0	0.03	276	1.91	1.81	44.1	1.8	1850	8.9
ABC026		25.8	<0.05	0.8	0.017	3.07	4.1	89.0	0.03	212	2.85	1.43	28.9	2.4	690	10.4
ABC027		16.45	<0.05	0.6	0.005	5.06	1.8	53.2	0.02	150	1.37	2.17	15.8	1.5	1270	14.8
ABC028		19.10	<0.05	0.6	0.016	2.96	3.3	44.2	0.02	308	2.31	0.17	12.8	1.7	390	6.5
ABC029		28.2	0.05	0.8	<0.005	4.36	1.9	55.9	0.01	211	0.90	4.14	40.6	1.1	2460	21.3
ABC030		24.1	<0.05	1.2	0.006	5.44	2.3	77.1	0.02	224	0.78	2.51	23.0	1.4	1690	18.8

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



Australian Laboratory Services Pty. Ltd.  
 32 Shand Street  
 Stafford  
 Brisbane QLD 4053  
 Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218  
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Project: Barrow Creek

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## CERTIFICATE OF ANALYSIS AD17079470

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
ABC004		337	<0.002	0.01	0.16	0.5	<1	17.8	37.4	11.90	<0.05	0.69	0.008	1.05	1.0	2
ABC005		374	<0.002	0.01	0.21	0.6	<1	23.2	33.9	41.5	0.05	0.73	0.007	1.23	1.0	4
ABC006		261	<0.002	<0.01	0.15	2.4	<1	16.9	18.1	9.36	0.07	6.11	0.063	0.82	1.7	12
ABC007		314	<0.002	<0.01	0.09	1.5	<1	26.3	22.8	7.46	<0.05	1.83	0.021	1.08	0.7	7
ABC008		3.1	<0.002	<0.01	0.14	4.0	<1	1.3	12.3	0.11	<0.05	1.02	0.027	<0.02	0.2	35
ABC009		540	<0.002	0.01	0.10	2.4	<1	26.3	10.7	5.42	<0.05	4.23	0.036	2.14	1.1	9
ABC010		1220	<0.002	<0.01	0.23	1.8	<1	37.4	23.9	58.7	0.05	0.66	0.011	6.49	1.8	3
ABC011		970	<0.002	<0.01	0.13	0.7	<1	8.6	3.7	6.70	<0.05	0.50	0.005	5.65	0.4	1
ABC012		680	<0.002	<0.01	0.12	0.9	<1	20.5	8.2	7.46	<0.05	0.50	0.007	3.41	0.8	1
ABC013		480	<0.002	<0.01	0.30	0.8	<1	12.1	5.3	2.82	<0.05	0.14	0.005	2.43	0.7	1
ABC014		560	<0.002	<0.01	0.13	0.7	<1	16.5	7.4	3.69	<0.05	0.52	0.010	2.71	0.5	3
ABC015		620	<0.002	<0.01	0.11	0.6	<1	19.8	4.8	5.52	<0.05	0.39	0.009	2.60	1.0	1
ABC016		980	<0.002	<0.01	0.11	0.4	<1	19.8	7.0	8.13	<0.05	0.33	0.006	5.29	1.6	1
ABC017		760	<0.002	<0.01	0.11	0.6	<1	22.0	16.0	9.73	0.13	0.77	0.008	3.29	1.2	2
ABC018		274	<0.002	0.01	0.12	0.4	<1	4.4	23.1	4.26	<0.05	0.41	<0.005	1.45	0.7	1
ABC019		710	<0.002	<0.01	0.11	0.3	<1	6.4	13.8	9.39	<0.05	0.50	0.005	3.86	2.0	1
ABC020		930	<0.002	<0.01	0.08	0.7	<1	37.5	13.1	29.9	<0.05	1.07	0.008	3.76	0.6	2
ABC021		830	<0.002	<0.01	0.08	0.2	1	7.8	14.6	4.77	<0.05	0.20	<0.005	7.76	0.3	1
ABC022		1230	<0.002	<0.01	0.13	0.1	<1	8.9	54.1	>100	<0.05	0.80	<0.005	6.70	3.8	1
ABC023		700	<0.002	<0.01	0.08	0.6	<1	9.2	4.7	4.73	0.05	0.81	0.006	3.93	0.7	1
ABC024		420	<0.002	<0.01	0.10	0.3	<1	6.4	11.3	5.60	<0.05	0.77	0.005	2.10	2.2	1
ABC025		1400	<0.002	<0.01	0.12	0.3	<1	22.7	15.3	7.93	<0.05	0.98	0.010	6.91	1.4	1
ABC026		700	<0.002	<0.01	0.14	0.7	<1	33.4	14.6	9.08	<0.05	0.60	0.008	3.24	1.1	2
ABC027		1270	<0.002	<0.01	0.22	0.4	<1	7.3	5.6	7.88	<0.05	0.42	0.006	7.78	0.7	1
ABC028		363	<0.002	<0.01	0.12	0.6	<1	45.7	25.3	5.88	<0.05	0.57	<0.005	1.31	1.2	1
ABC029		1650	<0.002	<0.01	0.11	0.1	<1	7.1	11.3	17.50	<0.05	0.40	0.005	9.41	7.7	1
ABC030		1590	<0.002	<0.01	0.12	0.3	<1	9.0	6.7	12.65	0.06	0.59	0.006	9.80	1.8	1

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Brisbane QLD 4053  
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**CERTIFICATE OF ANALYSIS AD17079470**

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-ICP21 Au ppm 0.001	PUL-QC Pass75um % 0.01	CRU-QC Pass2mm % 0.01
ABC004		13.3	6.2	10	7.7	0.002		
ABC005		26.8	3.3	4	16.6	0.002		
ABC006		14.5	7.3	40	68.7	0.003		
ABC007		26.1	5.0	9	10.2	0.002		
ABC008		0.4	0.6	12	10.4	0.001	99.0	
ABC009		9.9	3.8	64	16.2	0.002		
ABC010		9.1	3.7	64	5.5	0.002		
ABC011		2.6	1.0	23	3.7	0.001		
ABC012		4.6	2.3	51	5.0	0.001		
ABC013		3.9	0.4	22	2.4	0.004		83.1
ABC014		8.6	2.0	18	5.5	0.002		
ABC015		7.6	2.0	116	10.1	0.001		
ABC016		3.7	0.7	39	18.7	0.002		
ABC017		11.2	4.2	36	10.6	0.003		
ABC018		1.4	1.9	19	15.2	0.002		
ABC019		2.0	8.0	11	16.1	0.003		
ABC020		15.9	3.3	37	10.6	0.003		
ABC021		2.3	1.8	13	2.7	0.002		
ABC022		2.0	5.7	14	10.5	0.002		
ABC023		3.5	1.2	55	9.5	0.001		
ABC024		2.4	6.3	79	18.2	0.002		
ABC025		6.7	4.2	59	19.2	0.002		
ABC026		8.9	6.0	37	12.8	0.002		
ABC027		2.0	2.7	30	8.9	0.002		
ABC028		13.4	2.3	13	10.2	0.002		
ABC029		2.9	2.6	29	8.2	0.002		
ABC030		3.9	3.2	29	12.7	0.003		

Comments: Anomalous W found in sample 44,45,57,60,62,94 & 96; magnetic fragments found in sample packets.

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Brisbane QLD 4053  
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218  
www.alsglobal.com

ALS Perth is a NATA Accredited Testing Laboratory. Corporate Accreditation  
No: 825, Corporate Site No: 23001.

Project: Barrow Creek

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Finalized Date: 15-MAY-2017  
Account: COREEXP

**CERTIFICATE OF ANALYSIS AD17079470**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method:

REE's may not be totally soluble in this method.  
ME-MS61

**ACCREDITATION COMMENTS**

Applies to Method:

NATA Accredited. Corporate Accreditation No: 825, Corporate Site No: 23001. The Technical Signatory is Wendy Wong, Senior QC Chemist.  
Au-ICP21 ME-MS61

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Perth located at 31 Denninup Way, Malaga, Australia. NATA Accreditation does not cover the performance of ALS Perth Sample Preparation which is processed at 79 Distinction Road, Wangara, WA, Australia  
Au-ICP21 ME-MS61

Applies to Method:

Processed at ALS Adelaide located at Unit 1, 1 Burma Road, Pooraka, Adelaide, SA, Australia.  
CRU-21 CRU-31 CRU-QC  
LOG-22 PUL-31 PUL-QC  
WEI-21

LEV-01  
SPL-21