



Australian Laboratory Services Pty. Ltd.

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No: 825, Corporate Site No: 23001.

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

## CERTIFICATE AD17100396

Project: Barrow Creek

P.O. No.: SDS113

This report is for 182 Rock samples submitted to our lab in Adelaide, SA, Australia  
on 19-MAY-2017.

The following have access to data associated with this certificate:

STEPHEN BIGGINS

DAVID RAWLINGS

LEON VANDENBERG

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing 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	

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 \*\*\*\*\*

Signature:

Cameron Brosnan, Laboratory Manager, Perth



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## CERTIFICATE OF ANALYSIS AD17100396

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
BCRK158		4.45	0.18	7.97	1.9	2080	9.55	0.80	0.12	<0.02	24.0	3.2	42	91.8	123.0	1.17
BCRK159		5.76	0.18	7.88	1.7	280	12.00	0.21	0.03	<0.02	3.03	0.8	31	114.5	7.3	0.96
BCRK160		3.39	0.18	3.98	3.0	320	4.94	1.59	0.06	<0.02	22.7	6.9	58	24.4	38.4	1.82
BCRK161		3.59	0.14	7.49	4.3	980	6.65	0.47	0.12	<0.02	40.0	24.6	54	43.9	56.3	4.53
BCRK162		4.16	0.05	7.79	0.3	4970	10.55	0.38	0.06	<0.02	100.5	1.2	36	57.0	10.1	0.57
BCRK163		5.11	0.03	8.93	0.5	3570	12.35	0.13	0.05	<0.02	166.0	1.1	25	87.8	11.0	0.82
BCRK164		4.68	0.16	9.64	0.4	1600	9.38	0.48	0.02	<0.02	338	0.6	38	49.2	13.3	0.58
BCRK165		4.08	0.11	10.25	0.2	1860	10.70	0.87	0.02	<0.02	480	0.7	43	44.7	13.2	0.58
BCRK166		3.37	0.06	1.98	3.8	300	7.86	0.53	0.16	<0.02	22.3	26.2	72	40.2	9.2	9.83
BCRK167		2.18	0.12	8.05	0.8	180	8.30	0.08	0.05	<0.02	18.15	1.9	28	159.0	5.2	1.10
BCRK168		3.85	0.04	8.49	0.7	550	141.5	1.32	0.09	0.02	8.04	2.5	17	25.4	3.6	0.82
BCRK169		2.91	<0.01	9.44	1.2	150	137.0	0.48	0.06	<0.02	7.37	3.2	15	32.5	2.7	0.96
BCRK170		4.33	0.21	2.27	8.4	2020	4.29	0.76	0.02	<0.02	55.9	6.7	32	9.74	131.5	1.36
BCRK171		5.29	0.04	7.28	0.7	390	2.45	0.86	0.04	0.03	4.54	0.9	14	64.5	3.3	0.26
BCRK172		4.18	0.03	7.81	0.7	160	4.70	0.73	0.23	0.05	6.31	1.5	20	33.2	4.2	0.39
BCRK173		4.36	0.06	6.49	0.7	200	3.69	3.36	0.22	0.03	11.00	1.5	8	54.3	4.1	0.46
BCRK174		4.31	0.13	7.08	0.5	50	4.21	0.59	0.23	0.02	15.10	1.1	21	38.2	3.2	0.42
BCRK175		4.55	0.04	6.01	0.3	120	6.73	3.23	0.14	0.04	6.47	1.3	28	102.5	1.6	0.30
BCRK176		4.79	<0.01	6.87	1.2	150	2.68	2.25	0.17	0.03	12.00	1.7	13	44.4	3.5	0.54
BCRK177		3.52	0.03	6.82	0.5	390	3.01	4.74	0.24	0.08	10.90	3.3	12	52.6	5.2	0.54
BCRK178		4.37	0.06	7.36	0.7	210	3.99	0.56	0.07	0.08	5.90	0.9	14	272	3.1	0.32
BCRK179		4.55	0.03	6.41	0.8	240	1.81	1.76	0.04	<0.02	11.35	1.7	23	99.7	3.2	0.28
BCRK180		5.51	0.06	6.36	0.6	310	3.83	2.77	0.22	0.04	9.56	2.1	12	33.5	3.2	0.46
BCRK181		3.64	0.04	7.54	0.5	670	4.93	3.49	0.26	0.17	8.82	1.7	12	81.6	2.9	0.73
BCRK182		3.56	0.01	7.55	0.2	380	10.40	1.03	0.40	0.19	8.77	1.2	18	44.3	2.3	0.69
BCRK183		5.44	<0.01	8.39	0.3	130	5.77	0.72	0.02	0.09	8.29	1.3	33	28.6	1.8	0.71
BCRK184		3.69	0.05	6.73	1.8	130	4.91	0.64	0.31	0.06	6.87	1.6	20	13.45	8.0	0.52
BCRK185		4.32	<0.01	7.04	0.3	210	3.27	0.26	0.04	<0.02	14.05	1.5	34	31.3	4.0	0.52
BCRK186		3.99	0.03	7.33	0.8	160	4.34	1.07	0.06	0.02	9.37	1.3	21	68.7	4.5	0.51
BCRK187		5.04	0.07	7.64	0.4	80	1.94	1.16	0.04	<0.02	6.22	1.2	16	82.9	2.1	0.26
BCRK188		5.34	0.05	7.83	<0.2	80	1.99	0.34	0.04	<0.02	4.69	1.0	12	75.6	4.4	0.20
BCRK189		6.19	0.03	7.50	0.9	110	3.58	1.39	0.15	<0.02	7.82	1.3	19	56.5	3.0	0.53
BCRK190		4.39	0.04	6.83	0.8	100	7.88	0.75	0.31	0.05	16.00	0.7	21	31.5	5.6	0.88
BCRK191		5.03	0.06	6.99	1.1	110	21.2	2.67	0.20	0.02	4.99	0.7	24	86.8	2.0	0.64
BCRK192		6.00	0.14	6.82	0.3	110	4.12	1.54	0.41	0.02	10.50	1.8	14	9.70	8.5	0.66
BCRK193		7.46	0.50	7.51	5.9	120	13.45	0.21	0.88	0.04	5.85	1.9	14	4.50	17.2	0.55
BCRK194		4.99	0.25	7.38	2.0	60	130.5	0.68	0.25	<0.02	9.53	0.9	8	31.8	4.5	0.48
BCRK195		5.51	0.09	7.16	2.5	380	7.03	3.80	0.23	<0.02	11.85	3.8	13	28.6	10.8	0.38
BCRK196		7.12	0.03	6.98	0.2	70	21.1	1.52	0.17	<0.02	9.00	2.5	14	29.5	7.1	0.60
BCRK197		4.71	0.02	6.92	<0.2	90	6.99	0.58	0.15	<0.02	7.31	1.9	19	32.8	25.4	0.42



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## CERTIFICATE OF ANALYSIS AD17100396

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
BCRK158		27.0	0.10	1.2	0.081	3.60	11.6	99.1	0.22	178	1.85	0.21	26.3	7.1	1520	13.7
BCRK159		55.0	0.07	0.3	<0.005	3.53	0.9	312	0.02	556	2.28	0.17	70.0	2.2	210	1.9
BCRK160		10.25	0.09	1.5	0.068	2.74	11.7	37.3	0.30	91	2.62	0.03	3.1	12.1	150	6.2
BCRK161		18.80	0.17	2.1	0.029	4.72	19.9	23.9	0.47	150	0.98	0.10	7.5	35.5	340	9.2
BCRK162		27.6	0.29	0.6	<0.005	2.16	29.7	133.5	0.05	196	2.00	0.08	36.5	4.3	3110	6.0
BCRK163		36.0	0.33	1.1	<0.005	2.70	56.1	192.5	0.06	272	1.29	0.11	60.9	3.3	2370	14.1
BCRK164		33.9	0.36	1.6	<0.005	1.26	145.5	177.0	0.03	200	1.51	0.04	71.7	2.4	1350	10.6
BCRK165		35.9	0.50	1.2	0.012	1.79	226	93.5	0.04	148	0.98	0.09	71.5	2.7	1870	33.6
BCRK166		7.29	0.17	0.8	0.103	1.33	10.8	22.5	0.43	1500	3.07	0.01	2.1	28.5	200	2.8
BCRK167		32.1	0.08	1.1	0.013	3.70	8.1	145.0	0.14	210	1.72	0.22	37.7	4.7	120	5.3
BCRK168		20.8	<0.05	2.0	0.032	1.66	2.3	43.5	0.07	213	0.98	3.53	10.1	3.8	280	8.2
BCRK169		31.0	<0.05	1.9	0.028	2.43	3.3	87.4	0.09	124	0.88	2.56	41.7	5.8	240	9.6
BCRK170		4.52	0.10	0.5	0.070	1.85	28.1	90.8	0.10	41	1.44	0.02	1.7	6.9	220	2.3
BCRK171		11.40	0.06	0.4	0.005	5.33	2.2	12.8	0.01	134	1.10	1.38	1.4	2.1	590	41.4
BCRK172		14.50	0.06	0.2	0.014	4.83	3.6	17.7	0.03	325	1.31	2.04	6.3	2.4	500	26.3
BCRK173		19.80	0.07	1.8	0.019	4.58	3.9	16.2	0.03	329	0.73	1.33	14.6	3.9	270	28.5
BCRK174		12.75	0.08	1.4	0.007	3.92	8.7	9.6	0.04	276	1.54	2.47	3.1	3.4	410	30.2
BCRK175		12.35	0.06	0.5	<0.005	3.30	4.5	12.2	0.02	248	2.02	2.28	13.6	2.4	620	14.4
BCRK176		20.5	0.07	1.4	0.037	3.93	5.5	10.2	0.06	266	0.99	1.55	19.6	3.1	270	18.8
BCRK177		20.6	0.07	1.5	0.030	3.85	5.0	18.1	0.05	593	0.89	1.64	16.5	3.2	390	22.2
BCRK178		14.10	0.08	0.3	0.015	5.49	3.2	19.4	0.02	175	1.10	1.08	9.0	2.0	450	42.8
BCRK179		10.65	0.07	0.5	0.011	5.92	6.5	21.0	0.02	258	1.74	1.15	6.0	2.6	310	39.2
BCRK180		18.40	0.06	1.0	0.016	2.66	4.8	34.3	0.04	461	0.90	2.51	9.3	3.0	340	16.8
BCRK181		16.00	0.06	1.2	0.016	4.22	5.8	23.0	0.04	942	0.68	2.45	4.4	2.5	950	18.3
BCRK182		21.1	0.06	1.1	0.034	1.79	5.1	60.3	0.08	743	1.29	2.47	26.6	2.6	630	9.5
BCRK183		52.8	0.07	0.8	0.246	3.66	4.8	160.0	0.13	93	2.19	0.24	107.0	2.4	230	4.5
BCRK184		17.95	0.06	1.4	0.013	2.60	2.5	8.6	0.06	559	1.18	3.66	45.8	3.1	1130	19.5
BCRK185		29.4	0.08	0.4	0.117	5.20	7.9	58.6	0.08	280	2.14	0.40	57.2	2.1	320	18.8
BCRK186		17.15	0.07	1.0	0.018	5.60	5.6	36.1	0.04	295	1.27	1.20	13.2	2.2	530	30.1
BCRK187		11.40	0.07	0.4	<0.005	6.15	3.3	11.2	0.01	408	1.23	1.56	1.6	2.2	620	47.5
BCRK188		11.10	0.06	0.3	0.008	6.88	3.0	8.4	0.01	188	0.92	1.55	0.9	2.1	680	49.3
BCRK189		13.15	0.07	0.5	0.006	5.43	5.4	23.9	0.03	303	1.16	1.94	3.5	2.0	530	37.4
BCRK190		18.15	0.07	3.4	0.020	3.12	9.6	45.7	0.06	392	1.44	1.36	11.1	2.3	730	17.6
BCRK191		19.75	0.07	1.1	0.018	4.21	3.8	187.0	0.06	226	1.77	0.83	17.8	2.9	920	16.9
BCRK192		17.50	0.06	1.4	0.025	2.46	3.6	19.1	0.07	461	0.87	2.58	13.4	5.4	310	24.9
BCRK193		16.10	0.07	1.8	0.007	0.98	2.4	5.3	0.06	389	1.12	4.45	37.4	3.5	450	41.5
BCRK194		30.6	0.06	4.0	<0.005	0.76	4.5	85.4	0.02	354	0.61	5.01	105.0	1.5	1530	4.1
BCRK195		11.25	0.07	1.0	0.010	5.43	5.8	22.9	0.04	176	0.95	1.40	5.6	4.1	320	56.2
BCRK196		17.85	0.07	0.8	0.010	3.27	4.5	18.1	0.02	588	0.93	2.65	8.1	1.9	580	12.2
BCRK197		13.60	0.07	0.5	0.009	3.68	2.7	17.8	0.05	260	1.43	2.54	3.5	2.4	380	22.3



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## CERTIFICATE OF ANALYSIS AD17100396

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
BCRK158		960	<0.002	0.01	0.22	4.8	1	119.0	407	14.70	<0.05	3.86	0.056	5.14	3.1	15
BCRK159		1830	<0.002	0.01	0.14	0.4	<1	294	68.2	16.85	<0.05	0.35	0.006	8.15	0.4	1
BCRK160		268	<0.002	0.01	0.30	11.8	1	5.8	82.1	0.42	0.06	3.46	0.223	1.48	1.6	77
BCRK161		421	<0.002	0.01	0.26	15.2	1	28.7	204	1.02	<0.05	7.74	0.382	4.09	3.4	104
BCRK162		860	0.003	0.01	0.10	5.4	1	76.7	648	15.65	<0.05	1.27	0.010	4.82	3.2	6
BCRK163		1070	0.002	0.01	0.12	5.0	1	99.8	543	15.45	<0.05	2.19	0.019	5.44	3.3	9
BCRK164		650	<0.002	0.01	0.09	4.7	1	62.7	288	34.1	<0.05	3.00	0.012	3.18	2.0	3
BCRK165		550	0.002	0.02	0.17	5.5	1	87.9	396	37.6	<0.05	4.38	0.018	2.49	1.8	4
BCRK166		184.5	<0.002	0.01	0.23	19.1	1	3.8	36.4	0.37	<0.05	1.05	0.175	0.59	1.5	150
BCRK167		1210	<0.002	<0.01	0.15	4.1	<1	218	36.1	43.9	<0.05	0.98	0.044	6.00	0.9	23
BCRK168		296	<0.002	0.01	0.19	0.9	<1	67.6	44.7	5.71	0.07	1.23	0.019	1.09	0.9	5
BCRK169		480	<0.002	<0.01	0.06	1.5	<1	72.3	31.1	23.9	<0.05	1.11	0.039	1.86	0.5	9
BCRK170		135.0	<0.002	0.16	0.18	2.2	1	2.5	2480	0.24	<0.05	1.36	0.049	0.83	1.6	20
BCRK171		395	<0.002	0.01	0.06	0.4	<1	12.5	20.1	1.41	<0.05	0.50	0.005	2.99	0.3	1
BCRK172		357	<0.002	<0.01	0.06	1.5	<1	19.8	12.1	2.26	<0.05	0.38	0.008	1.60	0.5	2
BCRK173		376	<0.002	<0.01	0.05	3.8	<1	15.3	25.4	10.25	<0.05	3.96	0.008	1.89	2.2	2
BCRK174		339	<0.002	<0.01	0.06	1.3	<1	13.7	10.6	1.45	<0.05	1.46	0.006	1.77	1.7	1
BCRK175		411	<0.002	<0.01	0.06	0.5	<1	41.0	19.9	33.7	<0.05	0.60	0.007	2.32	0.4	1
BCRK176		377	<0.002	<0.01	0.06	4.7	<1	18.6	18.2	9.07	<0.05	4.49	0.018	1.87	1.2	3
BCRK177		349	<0.002	0.01	0.06	4.1	<1	16.9	32.7	6.23	<0.05	3.37	0.014	1.63	1.7	2
BCRK178		500	<0.002	<0.01	0.07	0.6	<1	60.3	50.1	10.10	<0.05	0.51	0.008	4.12	0.3	1
BCRK179		560	<0.002	<0.01	0.05	1.9	<1	19.4	50.4	3.51	<0.05	2.30	0.009	3.18	0.7	1
BCRK180		392	<0.002	0.01	0.06	3.1	<1	8.2	18.7	5.75	<0.05	2.84	0.012	1.93	1.3	2
BCRK181		500	<0.002	0.02	0.05	4.4	<1	15.2	29.4	1.05	<0.05	2.74	0.012	2.17	1.5	2
BCRK182		279	<0.002	0.01	0.06	5.5	<1	120.5	34.2	21.8	<0.05	1.72	0.017	0.99	1.3	2
BCRK183		450	<0.002	<0.01	<0.05	37.6	<1	97.4	5.2	17.65	<0.05	2.75	0.105	1.41	0.8	4
BCRK184		269	<0.002	<0.01	0.09	2.8	<1	4.0	29.6	30.7	<0.05	1.22	0.012	0.94	2.8	4
BCRK185		430	<0.002	<0.01	0.05	16.6	<1	65.2	27.6	13.05	<0.05	2.71	0.051	1.74	0.5	2
BCRK186		660	<0.002	<0.01	0.05	2.1	<1	37.1	12.5	6.74	<0.05	1.38	0.015	3.50	1.2	3
BCRK187		580	<0.002	<0.01	0.05	0.6	<1	16.3	8.9	1.17	<0.05	0.34	0.005	4.90	0.4	1
BCRK188		620	<0.002	<0.01	0.05	0.4	<1	13.8	8.2	1.16	<0.05	0.41	<0.005	4.85	0.6	1
BCRK189		480	<0.002	<0.01	0.06	1.1	<1	22.3	12.9	2.19	<0.05	0.78	0.007	3.45	0.8	1
BCRK190		226	<0.002	<0.01	0.06	1.2	<1	59.5	15.5	6.83	<0.05	6.23	0.016	1.14	2.5	2
BCRK191		660	<0.002	<0.01	0.06	1.0	<1	122.0	19.6	19.80	<0.05	1.49	0.018	3.84	1.5	5
BCRK192		134.0	<0.002	<0.01	0.05	3.8	<1	15.7	21.9	6.38	<0.05	3.59	0.014	0.70	1.6	3
BCRK193		70.9	<0.002	<0.01	0.20	1.1	<1	2.3	141.0	53.4	<0.05	1.26	0.007	0.36	3.9	7
BCRK194		371	<0.002	<0.01	0.12	0.3	<1	49.9	12.4	51.5	<0.05	2.55	<0.005	1.46	9.2	1
BCRK195		293	<0.002	<0.01	0.07	0.8	<1	22.4	65.7	5.24	<0.05	1.97	0.016	1.57	1.3	2
BCRK196		416	<0.002	<0.01	0.05	0.9	<1	16.3	3.7	5.64	<0.05	2.51	0.007	2.27	2.2	1
BCRK197		390	<0.002	<0.01	0.06	0.8	<1	11.4	14.5	2.22	<0.05	1.17	0.007	2.16	1.1	1



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**CERTIFICATE OF ANALYSIS AD17100396**

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
BCRK158		8.9	15.0	52	31.4	0.001	
BCRK159		18.4	3.3	116	4.6	<0.001	
BCRK160		9.1	9.6	25	51.1	<0.001	
BCRK161		22.9	22.9	82	72.6	0.001	
BCRK162		6.5	15.9	56	15.8	0.001	93.0
BCRK163		13.3	17.3	94	29.4	0.001	
BCRK164		8.2	10.0	60	29.7	<0.001	
BCRK165		9.9	11.9	29	27.3	<0.001	
BCRK166		12.0	21.7	22	30.5	<0.001	
BCRK167		13.4	2.2	53	18.3	<0.001	
BCRK168		9.7	5.4	14	33.7	0.001	
BCRK169		12.6	2.7	21	22.4	0.001	
BCRK170		1.4	11.2	5	19.9	0.005	
BCRK171		0.7	2.7	3	10.1	<0.001	
BCRK172		4.0	3.2	5	5.1	0.001	
BCRK173		2.9	7.3	11	26.2	0.001	
BCRK174		1.8	12.2	9	33.1	<0.001	
BCRK175		3.2	3.0	3	6.6	0.002	
BCRK176		5.8	7.1	16	23.3	0.001	
BCRK177		5.0	7.4	19	24.0	0.001	
BCRK178		3.4	2.5	5	6.5	<0.001	
BCRK179		3.1	5.2	5	11.3	<0.001	
BCRK180		1.0	7.3	19	16.3	0.001	
BCRK181		1.2	10.4	28	18.1	0.001	
BCRK182		11.6	9.6	19	20.8	0.001	
BCRK183		63.4	5.1	18	18.0	<0.001	
BCRK184		2.5	4.3	17	14.3	<0.001	
BCRK185		29.7	4.9	9	8.3	<0.001	
BCRK186		5.3	4.4	12	20.0	0.001	
BCRK187		0.8	3.2	4	8.5	<0.001	
BCRK188		0.4	2.3	5	7.1	<0.001	
BCRK189		2.3	4.9	10	11.1	<0.001	
BCRK190		10.2	11.0	29	56.5	0.001	
BCRK191		13.9	4.7	27	18.6	0.001	
BCRK192		4.9	7.6	14	23.6	0.001	
BCRK193		1.0	3.8	13	14.7	0.002	
BCRK194		11.4	6.4	32	48.8	<0.001	
BCRK195		4.7	5.9	11	20.0	0.001	
BCRK196		6.3	8.3	25	11.2	0.001	
BCRK197		2.5	6.1	13	9.7	<0.001	



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## CERTIFICATE OF ANALYSIS AD17100396

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
BCRK198		4.81	0.03	7.32	0.6	100	6.57	1.09	0.39	<0.02	10.95	1.7	14	37.9	7.4	0.56
BCRK199		5.86	0.02	7.05	0.3	130	11.45	1.69	0.26	<0.02	10.20	1.3	14	33.6	25.0	0.52
BCRK200		5.38	0.03	5.64	<0.2	140	3.14	0.40	0.08	<0.02	4.79	1.5	23	26.3	3.9	0.40
BCRK201		6.55	0.10	6.70	3.5	170	3.94	1.89	0.09	<0.02	10.35	3.6	16	32.1	10.6	0.61
BCRK202		5.50	0.03	7.22	0.2	180	10.60	1.10	0.18	<0.02	5.97	1.9	12	35.1	4.3	0.54
BCRK203		5.94	0.07	7.42	1.1	170	11.45	1.36	0.12	<0.02	5.34	1.8	11	43.3	13.9	0.47
BCRK204		6.17	0.04	7.27	0.2	80	3.64	0.73	0.06	<0.02	2.51	1.6	18	51.7	5.3	0.37
BCRK205		7.74	0.21	6.98	1.9	140	14.10	3.25	0.07	<0.02	7.04	6.0	14	46.1	12.0	0.46
BCRK206		3.77	0.02	6.93	<0.2	190	7.34	2.80	0.16	<0.02	8.51	1.8	15	37.3	2.5	0.60
BCRK207		5.93	0.08	6.33	1.3	110	6.20	4.67	0.18	<0.02	4.78	2.1	20	43.4	2.8	0.46
BCRK208		4.75	0.28	7.37	1.3	190	11.90	3.13	0.25	<0.02	13.35	3.3	15	35.0	14.7	0.49
BCRK209		4.63	0.27	7.26	6.8	190	8.88	3.99	0.21	<0.02	10.45	4.1	12	31.5	61.8	0.53
BCRK210		4.72	0.05	7.16	<0.2	180	6.97	3.17	0.19	<0.02	8.80	2.4	13	30.6	8.7	0.58
BCRK211		4.78	0.02	7.14	1.2	120	11.15	1.55	0.09	<0.02	3.20	1.3	15	28.7	5.4	0.40
BCRK212		6.06	0.08	7.40	0.4	160	14.40	0.92	0.14	<0.02	7.82	3.9	14	45.1	11.7	0.56
BCRK213		6.32	0.10	7.05	5.4	170	14.70	7.28	0.23	0.02	7.92	4.6	10	33.9	9.4	0.63
BCRK214		4.85	0.08	7.32	3.9	340	19.85	2.00	0.19	<0.02	16.05	1.9	16	35.6	10.4	0.60
BCRK215		4.33	0.05	7.23	0.4	140	7.68	15.20	0.34	<0.02	16.15	2.3	10	34.6	5.1	0.48
BCRK216		4.74	0.05	7.80	2.0	110	14.70	4.65	0.20	0.02	15.85	5.5	13	42.6	9.4	0.71
BCRK217		3.14	0.02	7.51	<0.2	200	4.31	2.13	0.29	<0.02	26.7	2.9	15	6.31	2.5	0.74
BCRK218		5.17	0.01	6.85	<0.2	100	11.05	0.74	0.42	0.07	18.95	1.6	19	73.3	2.1	0.52
BCRK219		4.82	0.02	7.28	<0.2	340	3.41	0.26	0.13	<0.02	20.3	1.6	16	5.10	23.1	0.57
BCRK220		6.33	0.02	7.32	<0.2	220	5.79	0.29	0.25	<0.02	16.75	2.6	20	5.67	2.2	0.70
BCRK221		5.69	0.03	7.61	<0.2	290	4.11	1.55	0.29	<0.02	23.8	2.4	17	5.92	3.3	0.75
BCRK222		6.58	0.02	7.69	<0.2	290	3.73	0.90	0.36	<0.02	16.65	2.0	14	5.37	3.5	0.66
BCRK223		5.67	0.06	7.43	<0.2	150	4.68	1.09	0.25	<0.02	13.15	1.5	14	10.95	10.0	0.56
BCRK224		4.39	0.02	7.65	<0.2	500	4.21	0.77	0.37	<0.02	18.40	1.2	17	5.87	3.5	0.64
BCRK225		4.89	0.02	7.53	<0.2	340	5.41	0.08	0.44	<0.02	9.57	1.9	18	6.70	4.3	0.53
BCRK226		5.76	<0.01	6.55	0.9	130	3.44	0.35	0.08	<0.02	7.32	1.1	22	9.10	2.3	0.71
BCRK227		6.74	0.89	6.76	30.1	70	133.5	1.14	0.12	0.08	6.70	0.8	13	9.68	6.0	0.49
BCRK228		3.64	<0.01	6.35	0.6	120	110.0	3.00	0.13	<0.02	5.61	1.2	18	14.85	3.2	0.53
BCRK229		4.39	0.02	7.45	0.7	90	6.00	3.58	0.15	0.04	5.91	1.1	13	19.70	3.1	0.45
BCRK230		5.25	0.10	7.46	0.9	190	5.90	1.16	0.32	<0.02	12.70	1.6	16	16.55	3.2	0.56
BCRK231		4.73	0.01	7.93	1.3	170	6.27	0.14	0.19	<0.02	9.77	1.6	16	30.0	7.1	0.64
BCRK232		6.49	<0.01	7.86	2.9	190	153.5	0.26	0.03	<0.02	9.91	10.1	21	138.5	9.0	0.97
BCRK233		3.94	<0.01	7.88	0.9	110	101.0	0.04	0.07	<0.02	13.75	6.4	11	140.5	4.3	0.46
BCRK234		5.58	<0.01	7.96	0.4	20	168.0	0.52	0.37	<0.02	4.21	1.3	7	58.1	5.7	0.52
BCRK235		4.27	<0.01	8.06	0.8	110	60.9	5.49	0.08	<0.02	5.26	3.4	9	116.0	3.6	0.45
BCRK236		5.78	<0.01	7.29	0.6	80	208	0.09	0.06	<0.02	3.76	0.5	9	62.1	6.8	0.46
BCRK237		4.46	<0.01	6.76	0.7	40	91.3	1.36	0.22	<0.02	4.36	0.7	15	69.0	20.0	0.50



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## CERTIFICATE OF ANALYSIS AD17100396

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
BCRK198		15.40	0.07	0.9	0.015	3.83	3.9	33.8	0.04	313	0.96	2.29	7.2	2.3	320	33.8
BCRK199		16.25	0.07	1.4	0.017	3.77	5.0	27.9	0.05	245	1.00	2.06	9.5	2.3	330	30.6
BCRK200		14.35	0.06	0.3	0.013	3.73	2.0	11.7	0.03	203	1.69	1.33	5.1	1.9	470	16.4
BCRK201		16.80	0.07	0.7	0.015	4.16	3.7	10.1	0.04	291	1.18	1.69	5.8	3.7	500	21.7
BCRK202		17.95	0.07	0.6	0.012	3.78	3.0	12.2	0.04	283	0.97	2.38	7.3	2.5	630	18.7
BCRK203		20.8	0.07	1.1	0.014	4.89	2.2	17.6	0.03	637	0.80	1.88	12.8	2.4	870	19.0
BCRK204		16.55	0.07	0.2	0.012	5.90	1.3	10.9	0.02	102	1.40	1.65	7.2	2.9	750	18.1
BCRK205		15.55	0.06	0.3	0.011	5.20	2.8	19.1	0.03	228	0.99	1.67	9.6	4.7	640	36.9
BCRK206		18.50	0.07	0.5	0.019	4.26	4.0	19.1	0.06	230	1.02	1.56	9.7	2.9	700	20.5
BCRK207		16.45	0.07	0.5	0.010	4.10	3.2	25.0	0.04	194	1.44	1.42	7.2	2.7	660	18.2
BCRK208		18.80	0.09	0.9	0.013	3.53	6.0	16.6	0.05	301	1.11	2.50	8.7	3.0	650	28.7
BCRK209		20.6	0.08	0.6	0.022	4.37	4.0	16.1	0.04	361	1.03	1.63	9.7	4.5	620	24.7
BCRK210		20.3	0.08	0.9	0.013	3.55	3.5	11.8	0.05	473	0.89	2.21	9.2	2.2	550	14.9
BCRK211		19.95	0.07	0.4	0.009	6.16	1.6	16.1	0.02	761	1.19	1.12	17.7	1.7	1320	20.7
BCRK212		21.9	0.08	0.7	0.015	4.85	3.7	10.8	0.04	654	1.00	1.67	12.2	3.3	740	16.5
BCRK213		18.50	0.08	0.9	0.011	3.90	3.4	10.1	0.03	645	0.95	2.12	5.5	7.1	560	21.8
BCRK214		19.70	0.08	2.0	0.025	5.01	6.4	22.5	0.08	263	1.18	0.74	15.1	4.3	940	30.4
BCRK215		20.7	0.08	1.4	0.024	3.56	8.8	11.4	0.04	662	0.81	2.33	13.6	2.0	620	20.6
BCRK216		22.2	0.09	0.9	0.026	3.88	5.4	37.7	0.05	1180	1.06	2.18	15.4	8.8	560	24.7
BCRK217		17.35	0.09	0.7	0.036	3.70	5.3	14.8	0.08	555	1.01	2.06	7.3	3.8	190	32.1
BCRK218		15.85	0.11	0.8	0.012	3.51	11.2	13.7	0.05	294	1.30	1.80	13.6	2.8	2020	23.7
BCRK219		14.90	0.10	0.7	0.024	4.36	10.2	10.0	0.07	99	1.01	1.77	5.7	2.9	260	39.5
BCRK220		14.55	0.09	0.8	0.016	3.36	6.7	15.9	0.09	358	1.19	2.17	5.1	4.3	310	40.4
BCRK221		15.70	0.10	0.6	0.029	4.33	9.2	10.9	0.08	276	1.17	1.93	6.2	3.2	370	39.6
BCRK222		16.75	0.08	0.6	0.031	2.50	8.1	12.9	0.08	238	1.20	2.26	5.9	3.2	200	26.2
BCRK223		14.50	0.09	0.7	0.018	3.95	5.4	10.8	0.06	168	1.11	2.28	5.7	2.0	300	37.1
BCRK224		16.90	0.10	0.6	0.022	4.12	7.8	12.6	0.07	122	1.27	1.94	6.3	2.5	300	44.2
BCRK225		14.50	0.08	0.7	0.008	2.80	4.5	9.2	0.06	284	1.29	2.18	4.8	2.5	190	42.6
BCRK226		18.05	0.05	0.4	0.012	2.64	3.3	17.0	0.07	117	1.57	1.99	10.2	2.0	150	16.1
BCRK227		10.75	0.07	2.0	0.015	2.90	3.0	3.3	0.03	368	0.87	3.47	4.1	3.0	1040	342
BCRK228		12.75	0.07	0.7	0.011	2.65	3.3	9.1	0.03	480	1.33	1.54	8.4	2.0	300	29.7
BCRK229		11.10	0.09	0.7	0.005	4.71	3.3	8.3	0.04	523	1.03	2.51	3.1	1.7	520	41.0
BCRK230		14.25	0.07	0.8	0.016	3.67	6.4	24.5	0.07	304	1.24	2.23	6.4	2.1	460	45.7
BCRK231		17.35	0.09	0.4	0.007	4.16	3.8	78.0	0.06	271	1.27	1.75	9.4	1.8	370	38.7
BCRK232		38.9	0.09	1.7	0.011	4.18	5.4	194.0	0.07	872	1.26	0.59	74.0	3.5	380	22.2
BCRK233		28.5	0.11	2.6	<0.005	3.84	6.8	136.0	0.02	891	0.76	3.08	77.5	3.1	780	17.1
BCRK234		31.8	0.08	4.6	0.005	1.09	2.8	120.5	0.02	1110	0.55	4.84	155.5	1.9	2040	12.6
BCRK235		28.3	0.09	0.6	<0.005	6.02	4.3	85.0	0.01	721	0.75	1.99	44.2	2.2	1030	17.5
BCRK236		26.2	0.07	2.7	<0.005	1.94	3.4	75.1	0.02	838	0.65	4.31	130.5	1.3	480	9.7
BCRK237		24.2	0.08	0.8	<0.005	3.00	2.7	80.6	0.02	220	1.29	2.89	44.2	1.7	1400	12.1





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## CERTIFICATE OF ANALYSIS AD17100396

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
BCRK198		367	<0.002	<0.01	0.06	1.6	<1	16.4	19.9	2.12	<0.05	1.24	0.012	2.06	1.4	2
BCRK199		358	<0.002	<0.01	0.06	1.5	<1	21.0	22.9	4.28	<0.05	2.23	0.016	2.04	1.7	2
BCRK200		390	<0.002	<0.01	0.05	1.1	<1	12.8	14.7	3.58	<0.05	0.94	0.009	2.10	0.7	1
BCRK201		370	<0.002	<0.01	0.07	1.7	<1	11.7	12.4	3.06	<0.05	2.08	0.015	2.09	1.7	2
BCRK202		419	<0.002	0.01	0.06	1.6	<1	14.7	15.9	4.16	<0.05	2.13	0.012	2.23	1.4	1
BCRK203		610	<0.002	<0.01	0.07	1.3	<1	22.1	16.4	7.39	<0.05	1.84	0.007	3.27	1.8	1
BCRK204		750	<0.002	<0.01	0.05	0.9	<1	13.7	7.1	4.79	<0.05	1.03	0.007	3.82	0.8	1
BCRK205		600	<0.002	<0.01	0.06	1.3	<1	17.0	12.6	8.01	<0.05	1.63	0.011	3.28	1.0	1
BCRK206		430	<0.002	<0.01	0.05	1.8	<1	22.0	17.5	4.91	<0.05	2.69	0.018	2.27	1.4	2
BCRK207		490	<0.002	<0.01	0.05	1.1	<1	20.4	20.1	4.62	<0.05	1.38	0.013	2.46	1.4	2
BCRK208		386	<0.002	<0.01	0.06	1.5	<1	18.9	23.7	5.51	<0.05	3.33	0.014	2.04	2.4	2
BCRK209		399	<0.002	<0.01	0.09	2.2	<1	16.5	20.9	3.58	<0.05	2.12	0.017	2.00	2.4	1
BCRK210		357	<0.002	<0.01	0.05	1.8	<1	15.0	12.6	3.91	<0.05	2.34	0.013	1.89	1.1	1
BCRK211		580	<0.002	<0.01	0.11	1.0	<1	11.9	13.4	7.27	<0.05	0.65	0.009	2.77	1.4	1
BCRK212		450	<0.002	<0.01	0.07	1.5	<1	13.5	11.4	4.02	<0.05	2.52	0.014	2.25	1.2	2
BCRK213		326	<0.002	<0.01	0.08	1.4	<1	8.9	9.6	2.77	<0.05	2.67	0.013	1.71	2.1	2
BCRK214		390	<0.002	<0.01	0.12	3.0	<1	29.7	43.1	9.02	<0.05	4.39	0.028	1.79	2.9	5
BCRK215		322	<0.002	<0.01	0.07	2.8	<1	18.2	15.7	4.11	<0.05	6.94	0.014	1.49	4.0	1
BCRK216		430	<0.002	<0.01	0.06	2.8	<1	26.5	16.3	7.45	<0.05	3.87	0.023	2.24	2.7	4
BCRK217		220	<0.002	<0.01	0.06	4.1	<1	7.3	41.4	1.63	<0.05	1.62	0.021	1.12	2.6	2
BCRK218		277	<0.002	<0.01	0.18	2.7	<1	40.1	26.7	18.50	<0.05	1.25	0.014	1.46	2.5	2
BCRK219		227	<0.002	0.01	0.06	3.0	<1	13.9	81.4	1.40	<0.05	1.99	0.021	1.22	2.7	3
BCRK220		190.5	<0.002	<0.01	0.06	3.1	<1	19.9	61.4	1.21	<0.05	2.27	0.028	0.99	1.6	4
BCRK221		214	<0.002	0.01	0.06	4.4	<1	6.4	62.9	1.47	<0.05	2.10	0.025	1.08	1.9	3
BCRK222		150.0	<0.002	0.01	0.06	4.4	<1	6.8	58.6	1.18	<0.05	2.19	0.018	0.67	2.1	1
BCRK223		233	<0.002	<0.01	0.06	2.7	<1	7.8	39.0	1.61	<0.05	1.16	0.015	1.17	1.2	2
BCRK224		207	<0.002	0.01	0.07	4.4	<1	10.8	61.3	1.20	<0.05	1.12	0.022	1.01	1.5	3
BCRK225		141.0	<0.002	0.01	0.06	2.2	<1	11.1	70.6	1.76	<0.05	2.07	0.016	0.71	2.2	2
BCRK226		196.0	<0.002	<0.01	0.06	2.6	<1	25.5	25.7	1.83	<0.05	0.68	0.013	0.87	0.9	2
BCRK227		230	<0.002	0.01	0.17	0.2	<1	5.5	38.4	1.18	<0.05	0.57	<0.005	1.15	4.1	1
BCRK228		253	<0.002	<0.01	0.07	0.5	<1	13.5	19.8	5.66	<0.05	0.82	0.011	1.09	0.9	2
BCRK229		399	<0.002	<0.01	0.06	0.8	<1	7.0	14.5	1.21	<0.05	0.63	0.009	2.09	1.2	1
BCRK230		227	<0.002	<0.01	0.05	1.6	<1	15.6	41.7	2.05	<0.05	1.17	0.016	1.15	1.5	2
BCRK231		324	<0.002	<0.01	0.12	2.3	<1	53.9	25.5	1.96	<0.05	0.37	0.011	1.62	1.0	1
BCRK232		1450	<0.002	<0.01	0.08	1.1	<1	227	35.4	41.9	<0.05	2.87	0.028	5.97	2.8	5
BCRK233		1800	<0.002	<0.01	0.13	0.4	<1	64.0	26.9	40.5	<0.05	2.17	0.007	10.55	5.8	1
BCRK234		670	<0.002	<0.01	0.10	0.4	<1	70.5	25.1	63.8	0.05	3.08	<0.005	2.84	14.9	<1
BCRK235		2640	<0.002	<0.01	0.09	0.3	<1	65.2	27.1	18.80	<0.05	0.52	<0.005	15.50	1.9	<1
BCRK236		850	<0.002	<0.01	0.08	0.3	<1	86.5	24.8	>100	<0.05	2.34	0.005	4.16	8.4	1
BCRK237		1300	<0.002	<0.01	0.10	0.3	<1	68.6	22.0	16.10	<0.05	0.81	<0.005	6.79	2.3	1





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**CERTIFICATE OF ANALYSIS AD17100396**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21	PUL-QC
		W	Y	Zn	Zr	Au	Pass75um
		ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	2	0.5	0.001	0.01
BCRK198		5.5	6.2	12	18.8	0.001	
BCRK199		8.1	8.7	13	25.9	0.001	
BCRK200		5.4	3.3	17	5.8	<0.001	
BCRK201		5.1	5.5	25	11.6	0.001	
BCRK202		5.7	4.5	19	11.0	<0.001	93.0
BCRK203		7.7	4.8	16	16.1	<0.001	
BCRK204		6.0	1.8	17	3.4	<0.001	
BCRK205		5.6	4.3	30	5.0	<0.001	
BCRK206		9.0	5.3	21	10.7	<0.001	
BCRK207		10.5	6.7	19	7.8	<0.001	
BCRK208		9.1	10.7	26	13.9	<0.001	
BCRK209		10.7	7.7	18	10.6	0.001	
BCRK210		6.7	6.9	23	14.8	0.001	
BCRK211		8.4	2.6	13	6.1	<0.001	
BCRK212		6.0	5.3	15	12.6	0.001	
BCRK213		4.5	4.9	28	13.9	0.001	
BCRK214		23.8	10.0	15	37.5	<0.001	
BCRK215		10.4	14.3	17	27.4	<0.001	
BCRK216		12.7	7.5	26	15.8	<0.001	
BCRK217		8.1	8.0	12	14.8	<0.001	
BCRK218		9.5	13.0	13	12.2	0.001	
BCRK219		6.5	13.3	9	15.6	<0.001	
BCRK220		7.0	7.7	11	21.7	<0.001	
BCRK221		6.4	10.5	10	14.3	<0.001	
BCRK222		9.5	11.8	10	15.5	0.001	
BCRK223		6.5	7.9	9	13.8	0.002	
BCRK224		8.1	6.9	8	15.4	0.001	
BCRK225		7.2	7.6	7	14.4	0.001	
BCRK226		9.2	4.8	11	9.7	0.001	
BCRK227		2.4	6.7	68	30.6	<0.001	
BCRK228		3.5	4.3	7	11.5	0.001	
BCRK229		1.9	6.2	8	15.6	0.002	
BCRK230		7.6	6.9	14	17.9	<0.001	
BCRK231		11.2	4.1	13	8.0	<0.001	
BCRK232		22.5	3.0	47	29.1	0.001	
BCRK233		8.3	4.4	35	35.7	<0.001	
BCRK234		13.5	8.3	41	62.6	<0.001	
BCRK235		7.1	6.7	27	7.8	0.001	
BCRK236		11.0	5.4	29	32.6	0.001	
BCRK237		7.5	2.1	30	11.3	0.001	



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## CERTIFICATE OF ANALYSIS AD17100396

Sample Description	Method Analyte Units LOR	WEI-21 Recdv 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
BCRK238		1.55	<0.01	7.50	1.2	20	202	0.03	0.29	<0.02	5.67	0.5	15	112.5	7.7	0.84
BCRK239		4.55	<0.01	7.65	0.5	20	199.5	0.04	0.32	0.06	7.56	0.5	12	117.0	4.1	0.79
BCRK240		4.16	<0.01	6.97	0.3	60	137.5	0.38	0.14	<0.02	1.78	0.4	18	84.7	5.8	0.59
BCRK241		4.11	0.01	8.60	1.0	680	13.30	8.04	0.05	<0.02	9.09	4.3	21	10.10	21.0	0.52
BCRK242		4.82	0.04	8.03	0.2	430	8.72	0.44	0.03	<0.02	6.12	1.9	16	7.35	20.2	0.33
BCRK243		4.87	0.04	8.13	3.7	1290	8.13	0.97	0.03	<0.02	11.45	1.2	15	11.70	52.5	0.90
BCRK244		4.81	<0.01	7.69	0.5	530	5.49	3.85	0.03	<0.02	5.68	0.8	16	21.0	21.3	0.41
BCRK245		3.93	0.15	7.58	6.3	160	8.45	2.23	0.23	0.03	16.85	1.8	12	7.39	17.3	0.42
BCRK246		5.82	0.02	7.43	0.3	140	15.15	0.71	0.26	<0.02	11.20	1.9	17	8.19	4.3	0.47
BCRK247		6.20	<0.01	7.72	<0.2	190	11.40	13.75	0.16	<0.02	10.00	1.2	16	11.90	5.0	0.55
BCRK248		4.95	0.22	7.54	1.6	130	7.48	1.73	0.27	0.04	6.26	1.3	13	7.84	7.6	0.43
BCRK249		6.83	<0.01	9.12	13.6	230	18.75	0.50	0.14	0.03	8.25	2.6	24	20.3	9.9	0.71
BCRK250		6.13	0.03	7.84	1.1	240	6.48	2.33	0.19	0.02	11.70	2.1	19	6.92	6.0	0.58
BCRK251		1.74	<0.01	2.51	0.9	130	25.4	4.48	0.12	<0.02	16.80	3.7	54	7.14	4.0	1.67
BCRK252		5.78	<0.01	7.34	1.0	180	66.9	0.33	0.02	<0.02	3.90	1.4	22	66.2	5.0	0.54
BCRK253		5.09	<0.01	6.97	1.8	320	68.0	0.97	0.03	<0.02	18.80	1.6	23	43.1	3.5	0.77
BCRK254		5.79	<0.01	8.25	24.7	80	110.0	1.22	0.24	<0.02	4.23	5.9	21	238	48.4	0.87
BCRK255		6.54	<0.01	7.96	10.4	40	102.0	0.36	0.23	<0.02	4.10	1.1	13	281	11.3	0.54
BCRK256		6.25	<0.01	7.86	15.5	80	197.5	0.14	0.24	<0.02	12.45	1.7	16	184.0	11.0	0.79
BCRK257		5.95	<0.01	6.20	2.3	200	223	0.43	0.11	0.10	10.50	2.1	16	20.9	13.9	0.57
BCRK258		5.61	0.11	7.67	2.8	410	63.0	1.03	0.06	<0.02	15.90	2.3	18	22.0	8.4	0.68
BCRK259		6.56	0.07	8.44	2.3	170	30.0	1.66	0.10	<0.02	13.90	1.8	17	46.8	6.8	0.56
BCRK260		4.30	0.06	8.19	27.7	180	202	3.00	0.19	0.29	6.98	1.1	16	123.0	13.3	0.94
BCRK261		4.97	0.05	7.16	1.1	150	3.12	2.74	0.23	<0.02	9.13	1.1	33	14.05	7.2	0.82
BCRK262		5.36	<0.01	7.40	2.1	40	152.0	0.07	0.54	<0.02	2.21	1.0	14	74.6	5.0	0.47
BCRK263		5.78	0.16	5.65	0.3	70	2.83	0.47	0.17	<0.02	16.45	0.7	21	61.0	4.6	0.31
BCRK264		6.76	0.17	8.29	5.3	350	53.4	0.78	0.05	0.05	19.15	3.1	17	55.4	10.1	0.87
BCRK265		5.16	0.04	8.12	2.7	160	118.5	0.81	0.09	0.07	3.91	1.4	14	15.05	6.1	0.64
BCRK266		5.79	0.71	7.03	5.4	100	151.5	1.24	0.06	0.04	3.83	0.9	16	12.45	21.4	0.63
BCRK267		4.66	0.03	9.32	0.6	270	2.96	0.91	0.18	<0.02	239	1.4	34	3.48	14.1	0.97
BCRK268		5.67	0.04	7.09	1.0	130	200	5.16	0.15	0.06	9.38	1.6	15	20.1	13.1	0.71
BCRK269		5.61	0.09	7.31	4.2	130	43.7	2.58	0.10	<0.02	4.67	1.6	27	16.40	12.8	0.62
BCRK270		6.60	0.33	8.38	7.8	100	9.27	1.60	0.07	0.04	6.95	1.5	19	13.10	7.5	0.82
BCRK271		6.56	0.27	7.85	6.9	70	4.07	0.40	0.12	0.04	3.53	1.3	15	8.22	7.0	0.42
BCRK272		6.40	0.06	8.03	1.0	110	8.59	4.02	0.17	0.05	9.17	1.3	30	22.9	6.1	1.07
BCRK273		6.13	0.15	5.91	<0.2	80	5.86	0.60	0.45	0.03	29.3	1.2	28	5.93	6.5	0.52
BCRK274		4.83	0.14	7.13	0.7	310	5.84	2.57	0.65	0.08	16.95	1.0	16	13.10	4.7	0.49
BCRK275		5.46	0.05	7.46	0.5	630	4.32	9.22	0.20	0.02	7.32	2.2	17	3.56	9.1	0.76
BCRK276		5.35	0.03	7.52	<0.2	450	4.08	0.34	0.31	0.02	6.63	0.9	18	3.37	7.1	0.62
BCRK277		5.93	0.04	7.62	0.4	610	4.11	0.34	0.22	0.02	9.23	2.6	21	6.02	8.5	0.70



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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
BCRK238		38.0	0.08	3.7	0.007	1.98	5.0	133.5	0.03	1740	1.11	2.98	131.5	1.4	1380	9.3
BCRK239		38.9	0.09	4.5	0.020	2.03	4.8	134.5	0.02	1740	0.89	3.08	117.5	1.5	1270	10.5
BCRK240		30.2	0.09	3.8	<0.005	3.06	1.0	121.5	0.02	754	1.26	2.68	105.0	1.2	1020	12.5
BCRK241		14.65	0.07	0.9	0.013	1.10	3.6	32.0	0.07	207	1.46	0.07	4.9	3.4	90	31.1
BCRK242		13.25	0.05	1.4	0.008	0.78	2.6	24.6	0.04	134	1.16	0.03	5.5	2.0	40	25.5
BCRK243		17.85	0.07	2.1	0.028	2.13	5.3	39.4	0.06	108	0.99	0.07	11.5	3.5	150	26.7
BCRK244		15.80	0.08	1.0	0.012	2.55	2.7	51.7	0.04	67	1.06	0.09	8.9	1.9	160	28.6
BCRK245		13.15	0.10	1.3	0.016	2.57	7.7	7.9	0.05	159	0.98	2.26	9.5	3.9	480	39.3
BCRK246		14.00	0.09	1.1	0.009	2.29	7.1	9.0	0.06	310	1.21	2.37	8.2	2.3	380	32.9
BCRK247		14.70	0.08	1.1	0.011	2.86	5.5	15.4	0.06	329	1.39	1.74	9.5	2.1	230	24.7
BCRK248		12.10	0.09	0.7	0.017	3.12	4.2	7.4	0.05	338	1.05	2.58	5.7	1.6	500	56.0
BCRK249		17.10	0.09	0.6	0.036	4.36	4.3	14.3	0.10	322	1.80	0.89	11.3	3.1	700	65.9
BCRK250		11.45	0.08	1.1	0.018	2.90	5.3	8.4	0.07	398	1.47	0.97	6.8	2.9	170	76.2
BCRK251		7.50	0.10	0.4	0.119	0.32	9.5	22.1	0.17	1740	9.82	0.18	3.8	6.9	170	3.3
BCRK252		17.90	0.08	0.4	<0.005	4.90	2.3	36.4	0.03	304	1.36	0.53	22.9	1.7	460	19.4
BCRK253		16.00	0.10	1.3	0.009	3.75	9.2	36.6	0.10	126	1.22	0.31	14.6	3.7	310	17.8
BCRK254		40.3	0.10	1.0	0.007	3.47	3.7	116.0	0.04	488	1.64	1.08	53.7	3.6	1390	12.5
BCRK255		30.3	0.08	1.7	<0.005	3.26	6.1	74.6	0.02	379	0.96	2.44	64.6	2.3	1760	23.2
BCRK256		32.7	0.10	1.7	<0.005	2.21	10.8	119.5	0.06	554	1.15	3.00	71.7	3.2	1330	14.1
BCRK257		11.95	0.07	2.7	<0.005	0.91	8.3	9.7	0.02	1330	1.38	4.30	11.0	2.2	730	10.4
BCRK258		20.8	0.07	1.6	0.008	3.40	10.2	11.0	0.02	912	1.53	2.79	21.3	3.5	600	16.2
BCRK259		27.2	0.06	1.2	0.013	3.16	9.4	25.5	0.02	662	1.42	3.72	24.3	2.3	680	16.2
BCRK260		27.6	0.08	7.5	0.016	1.52	4.6	36.5	0.02	855	1.20	4.25	33.3	2.3	1210	19.1
BCRK261		24.1	0.08	1.1	0.048	3.44	6.2	13.5	0.09	244	2.39	1.00	22.8	2.1	390	17.2
BCRK262		28.7	0.07	3.0	<0.005	1.37	1.3	18.1	0.07	384	1.11	4.66	62.4	2.0	1400	12.6
BCRK263		8.66	0.08	0.8	0.005	3.98	7.5	7.6	0.02	162	1.59	1.81	1.2	1.9	250	26.0
BCRK264		27.8	0.09	2.0	0.030	3.47	6.5	50.8	0.07	1130	1.18	1.46	32.7	3.4	260	18.3
BCRK265		15.60	0.07	2.3	0.015	1.59	1.9	9.2	0.02	682	1.12	3.14	9.7	2.7	460	18.9
BCRK266		12.75	0.08	1.5	0.009	2.78	1.9	8.1	0.02	171	1.33	3.36	4.3	2.6	740	111.5
BCRK267		24.3	0.54	3.9	0.047	1.25	101.0	24.0	0.45	69	1.64	0.05	14.2	13.7	330	44.1
BCRK268		18.40	0.09	1.5	<0.005	2.04	4.6	9.5	0.05	1180	1.22	3.61	10.5	2.7	370	13.3
BCRK269		15.15	0.10	0.4	0.024	1.97	3.7	12.7	0.06	341	2.25	2.51	9.6	3.5	380	11.1
BCRK270		12.85	0.09	1.3	0.015	3.33	3.8	8.8	0.07	215	1.63	1.54	5.0	3.3	320	139.5
BCRK271		8.74	0.08	0.4	0.005	4.66	1.9	2.5	0.01	120	1.22	3.02	1.7	2.5	790	113.0
BCRK272		19.30	0.09	1.6	0.016	2.87	4.7	11.6	0.08	368	2.19	1.39	15.6	2.7	790	22.2
BCRK273		8.03	0.14	2.2	0.007	1.61	11.3	3.6	0.05	117	2.12	2.93	1.1	2.6	280	32.4
BCRK274		9.65	0.10	0.9	0.006	2.39	8.7	6.9	0.05	103	1.36	3.43	1.3	2.1	290	52.1
BCRK275		9.28	0.08	0.2	0.012	2.30	3.2	6.4	0.09	196	1.38	2.74	2.3	3.2	130	33.0
BCRK276		10.60	0.09	0.5	0.008	3.86	3.7	4.9	0.06	103	1.48	2.29	3.6	2.0	310	78.9
BCRK277		11.15	0.09	0.4	0.010	4.70	4.6	7.8	0.08	244	1.54	1.45	4.2	2.9	500	92.7



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## CERTIFICATE OF ANALYSIS AD17100396

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
BCRK238		1170	<0.002	<0.01	0.10	0.5	<1	177.0	39.6	74.1	0.05	3.65	0.009	4.94	7.2	1
BCRK239		1230	<0.002	<0.01	0.14	0.6	<1	160.0	42.3	53.4	<0.05	4.44	0.011	5.27	8.0	1
BCRK240		1360	<0.002	<0.01	0.09	0.3	<1	103.5	20.1	40.3	<0.05	2.50	<0.005	6.94	8.1	<1
BCRK241		148.0	<0.002	0.02	<0.05	1.0	<1	11.8	27.0	1.47	<0.05	0.66	0.013	0.90	2.9	1
BCRK242		88.0	<0.002	0.01	<0.05	1.2	<1	10.9	21.0	1.78	<0.05	0.97	0.009	0.52	3.5	1
BCRK243		202	<0.002	0.04	0.10	3.0	1	16.2	37.8	3.61	<0.05	2.50	0.013	0.98	7.7	3
BCRK244		212	<0.002	0.02	0.05	2.2	<1	11.6	22.0	2.63	<0.05	1.28	0.010	1.18	1.9	1
BCRK245		148.5	<0.002	<0.01	0.07	1.1	1	9.1	23.0	4.76	0.05	0.83	0.008	0.63	3.9	1
BCRK246		141.5	<0.002	<0.01	<0.05	1.0	<1	9.9	27.7	4.10	<0.05	0.97	0.012	0.63	2.5	2
BCRK247		181.5	<0.002	<0.01	0.05	0.8	<1	15.2	30.7	4.15	0.28	0.65	0.010	0.77	1.9	2
BCRK248		164.5	<0.002	0.01	0.05	0.8	<1	8.2	26.7	2.74	<0.05	0.69	0.006	0.79	2.2	1
BCRK249		268	<0.002	<0.01	0.07	1.7	<1	26.2	36.7	5.15	<0.05	0.91	0.029	1.11	1.5	3
BCRK250		178.0	<0.002	0.01	0.05	0.6	<1	7.9	37.7	3.06	<0.05	1.18	0.009	0.76	3.2	1
BCRK251		41.5	0.009	<0.01	0.05	2.7	<1	11.6	16.2	0.06	<0.05	2.17	0.048	0.34	0.6	8
BCRK252		820	<0.002	<0.01	0.06	0.5	<1	31.9	18.6	15.55	<0.05	0.57	0.012	4.20	0.4	4
BCRK253		620	<0.002	0.01	0.07	1.9	<1	22.6	23.4	5.52	<0.05	4.55	0.034	2.93	1.4	9
BCRK254		1720	<0.002	0.01	0.42	0.4	<1	219	20.4	38.1	<0.05	1.54	0.010	7.53	1.8	3
BCRK255		1540	<0.002	<0.01	0.35	0.1	<1	142.0	19.3	84.8	<0.05	1.62	<0.005	8.00	2.2	1
BCRK256		1170	<0.002	<0.01	0.60	0.7	<1	147.5	28.2	48.0	<0.05	3.85	0.023	5.23	3.2	4
BCRK257		165.5	<0.002	<0.01	0.12	0.2	<1	19.7	9.2	12.15	<0.05	0.75	<0.005	0.90	3.2	1
BCRK258		439	<0.002	0.01	0.41	0.6	<1	38.4	14.6	10.40	<0.05	0.98	0.012	2.13	1.3	3
BCRK259		580	<0.002	<0.01	0.44	0.7	<1	55.9	7.3	5.55	<0.05	0.84	0.012	2.78	0.9	2
BCRK260		480	<0.002	0.01	1.47	0.4	<1	87.4	33.4	31.7	<0.05	0.73	0.007	2.16	3.1	1
BCRK261		256	<0.002	0.01	0.40	7.7	<1	50.6	18.7	5.99	<0.05	1.98	0.027	1.09	1.5	1
BCRK262		640	<0.002	<0.01	0.60	0.3	<1	73.3	53.3	81.8	<0.05	2.58	0.007	2.81	3.7	3
BCRK263		349	<0.002	<0.01	0.51	0.6	<1	9.9	20.3	0.79	<0.05	2.40	0.005	2.12	1.6	1
BCRK264		620	<0.002	<0.01	0.39	1.7	<1	90.4	17.2	21.1	<0.05	1.73	0.036	2.66	1.9	9
BCRK265		215	<0.002	0.01	0.29	0.4	<1	6.7	39.2	5.63	<0.05	0.90	<0.005	0.94	3.3	1
BCRK266		339	<0.002	<0.01	0.28	0.3	<1	3.7	46.2	1.90	<0.05	0.69	<0.005	1.99	2.2	1
BCRK267		85.0	0.002	0.01	0.24	13.0	3	8.4	80.8	2.30	0.07	23.8	0.310	0.33	6.5	25
BCRK268		312	<0.002	0.01	0.19	0.3	<1	1.5	18.1	4.69	<0.05	1.46	0.008	1.63	1.5	2
BCRK269		196.5	<0.002	<0.01	0.39	0.4	<1	25.2	29.2	5.94	<0.05	0.44	0.013	0.87	1.1	2
BCRK270		242	<0.002	<0.01	0.90	0.9	<1	15.7	44.6	2.57	<0.05	1.25	0.014	1.09	3.7	2
BCRK271		231	<0.002	<0.01	0.35	0.3	<1	3.7	40.2	0.83	<0.05	0.36	<0.005	1.35	1.7	1
BCRK272		281	<0.002	<0.01	0.19	0.9	<1	3.0	27.1	6.25	<0.05	0.90	0.019	1.18	2.3	3
BCRK273		88.5	<0.002	<0.01	0.18	0.3	1	0.9	37.4	0.99	<0.05	4.66	0.007	0.53	3.1	1
BCRK274		132.5	<0.002	0.01	0.20	0.6	1	1.8	51.7	0.50	<0.05	4.46	0.007	0.75	1.8	1
BCRK275		99.4	<0.002	<0.01	0.21	0.7	<1	1.8	53.6	1.34	<0.05	1.08	0.015	0.46	0.9	3
BCRK276		155.5	<0.002	<0.01	0.22	1.2	<1	3.2	63.0	1.26	<0.05	1.09	0.016	0.75	1.1	2
BCRK277		160.5	0.002	<0.01	0.14	1.4	<1	4.1	66.7	1.58	<0.05	1.11	0.019	0.93	1.2	2



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**CERTIFICATE OF ANALYSIS AD17100396**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21	PUL-QC
		W	Y	Zn	Zr	Au	Pass75um
		ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	2	0.5	0.001	0.01
BCRK238		16.3	7.5	68	57.7	0.002	
BCRK239		17.5	7.2	74	72.6	<0.001	
BCRK240		14.2	3.2	46	60.2	0.001	
BCRK241		2.5	8.5	22	19.7	0.001	
BCRK242		2.8	6.0	7	36.9	<0.001	89.0
BCRK243		7.4	16.2	12	49.3	<0.001	
BCRK244		4.6	4.3	11	21.3	0.001	
BCRK245		6.3	16.6	9	24.3	0.002	
BCRK246		5.1	11.1	8	21.1	<0.001	
BCRK247		8.8	7.9	9	20.1	0.004	
BCRK248		5.0	5.9	13	17.3	0.002	
BCRK249		10.5	3.8	22	13.7	0.001	
BCRK250		5.6	6.8	19	27.2	0.002	
BCRK251		2090	5.2	85	10.7	0.002	
BCRK252		15.6	1.2	21	6.9	0.001	
BCRK253		34.7	4.0	32	33.5	0.001	
BCRK254		17.6	3.4	65	12.6	0.001	
BCRK255		13.7	4.6	55	16.1	0.001	
BCRK256		13.2	4.9	63	26.4	<0.001	
BCRK257		2.8	7.4	7	38.7	0.001	
BCRK258		5.1	5.5	13	24.4	0.001	
BCRK259		8.2	4.7	18	16.1	<0.001	
BCRK260		6.5	4.3	77	56.3	0.001	
BCRK261		20.7	7.5	22	24.4	0.001	
BCRK262		157.0	3.1	25	28.9	<0.001	
BCRK263		1.7	6.3	2	21.4	<0.001	
BCRK264		13.6	3.5	23	27.1	0.001	
BCRK265		4.5	3.0	14	30.4	0.001	
BCRK266		1.7	3.5	94	24.9	0.001	
BCRK267		8.3	35.6	9	114.0	0.001	
BCRK268		3.8	5.1	18	21.7	0.001	
BCRK269		8.1	3.8	9	5.2	0.002	
BCRK270		7.0	6.7	48	31.6	0.001	
BCRK271		1.3	2.0	17	7.2	0.001	
BCRK272		10.4	7.5	13	29.4	0.001	
BCRK273		0.5	31.2	9	48.6	0.001	
BCRK274		1.2	12.6	8	20.8	0.001	
BCRK275		8.3	7.0	15	4.3	0.001	
BCRK276		5.5	5.9	6	12.1	<0.001	
BCRK277		7.1	8.4	8	9.0	0.001	



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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
BCRK278		5.46	0.03	6.94	<0.2	130	4.55	7.90	0.43	0.04	6.48	1.2	23	3.69	10.6	0.70
BCRK279		6.03	0.06	7.33	<0.2	260	4.85	0.27	0.38	0.03	15.70	1.5	16	4.23	5.7	0.64
BCRK280		4.29	0.05	7.16	0.2	100	96.3	17.20	0.15	0.14	3.18	1.4	10	22.3	7.1	0.67
BCRK281		4.42	0.07	6.70	<0.2	50	14.10	18.80	0.20	<0.02	1.15	0.7	18	15.45	14.3	0.56
BCRK282		3.71	0.08	9.10	<0.2	30	5.62	3.93	0.03	<0.02	3.48	1.4	4	251	12.2	0.17
BCRK283		4.24	0.22	7.24	1.2	20	>1000	0.39	0.01	0.14	1.19	1.0	64	>500	7.1	0.68
BCRK284		4.83	0.09	7.22	<0.2	50	129.0	0.89	0.03	0.02	3.35	1.1	18	176.0	8.2	0.30
BCRK285		3.66	0.01	3.04	0.5	30	51.6	1.07	0.03	<0.02	5.27	2.3	66	24.4	9.6	0.77
BCRK286		4.85	<0.01	6.57	0.3	160	34.4	0.62	0.10	<0.02	1.62	1.3	27	44.0	10.2	1.34
BCRK287		4.16	0.03	11.00	0.4	190	11.65	7.84	0.05	<0.02	28.1	1.2	10	103.0	9.0	0.38
BCRK288		6.33	<0.01	8.70	0.2	890	15.30	1.75	0.04	<0.02	24.7	2.9	25	59.0	8.7	1.00
BCRK289		3.18	0.53	0.93	1.2	50	6.67	541	0.01	0.07	18.20	1.9	73	7.73	83.8	1.12
BCRK290		3.91	0.20	0.89	0.7	60	4.94	352	0.01	0.09	16.85	1.5	72	16.70	24.4	0.99
BCRK291		4.36	0.67	0.42	0.6	30	2.80	727	0.01	0.02	15.60	1.1	64	3.84	139.5	0.87
BCRK292		4.46	0.37	0.45	1.9	50	2.22	423	0.01	0.12	3.11	1.1	71	6.91	80.0	0.89
BCRK293		3.09	0.27	0.33	1.3	30	1.53	268	0.01	0.06	2.38	0.8	64	6.69	79.2	0.72
BCRK294		5.23	0.01	6.83	1.3	150	9.87	11.00	0.05	<0.02	9.80	2.4	19	114.5	15.8	0.63
BCRK295		5.19	0.12	3.28	0.8	320	3.18	1.38	0.02	0.07	124.0	0.7	47	12.75	7.2	0.67
BCRK296		6.40	0.01	6.80	1.2	210	8.10	1.23	0.24	<0.02	26.6	3.8	12	21.1	16.9	1.22
BCRK297		6.03	0.03	0.25	0.9	120	0.89	0.80	0.02	<0.02	3.30	1.2	55	1.70	5.5	0.59
BCRK298		3.81	0.05	8.25	3.9	70	1.18	2.97	10.85	0.09	40.1	5.3	147	2.88	14.2	6.64
BCRK299		4.24	0.02	0.36	0.7	10	0.51	0.33	0.09	<0.02	0.78	1.3	46	0.68	4.2	0.56
BCRK300		4.12	0.07	7.44	5.3	280	0.90	1.71	10.45	0.06	31.8	11.9	295	2.26	57.3	7.12
BCRK301		1.90	0.06	7.79	0.2	230	1.14	0.50	5.69	0.05	15.00	46.6	314	14.55	37.3	6.96
BCRK302		4.88	0.02	8.51	1.6	1220	3.27	1.41	0.08	<0.02	42.5	3.3	18	16.40	19.8	0.85
BCRK303		6.57	0.02	9.97	1.2	990	3.03	2.10	0.04	<0.02	22.6	2.2	23	10.25	17.9	0.91
BCRK304		4.70	0.02	8.51	<0.2	1010	1.86	5.58	0.05	<0.02	120.0	1.3	27	3.24	27.6	0.43
BCRK305		5.07	<0.01	10.05	0.6	960	3.24	8.99	0.03	<0.02	36.9	1.2	15	4.00	20.3	0.79
BCRK306		5.66	<0.01	9.37	0.5	110	3.49	2.02	0.03	<0.02	21.5	1.2	24	6.00	14.5	0.79
BCRK307		5.10	0.01	10.40	1.1	1890	5.52	3.83	0.05	<0.02	45.7	4.2	17	4.37	25.4	0.70
BCRK308		4.55	0.01	8.77	0.9	730	3.16	2.64	0.07	<0.02	16.40	1.8	22	3.63	12.0	0.70
BCRK309		5.29	<0.01	10.75	<0.2	240	6.42	4.07	0.07	<0.02	8.20	1.4	17	43.4	6.4	0.78
BCRK310		6.45	<0.01	13.90	1.2	430	11.60	3.92	0.05	<0.02	5.68	0.8	6	218	6.8	2.09
BCRK311		7.20	<0.01	8.96	0.9	400	6.00	2.54	0.05	<0.02	9.84	1.4	26	19.55	7.1	0.62
BCRK312		5.47	0.02	10.80	1.0	300	3.59	47.7	0.35	<0.02	38.8	1.2	19	11.45	13.8	1.44
BCRK313		5.54	0.01	0.86	1.3	70	1.03	0.54	0.01	<0.02	9.35	0.7	56	7.27	4.2	0.63
BCRK314		5.70	0.01	0.43	0.4	30	0.42	0.07	0.03	<0.02	4.70	0.5	80	1.28	4.6	0.59
BCRK315		7.39	0.07	7.46	1.0	20	3.14	0.90	0.25	<0.02	2.53	0.6	14	30.0	6.4	0.82
BCRK316		7.00	0.06	7.45	0.6	50	3.14	0.10	0.23	0.06	2.52	0.9	15	18.65	7.5	1.03
BCRK317		6.51	0.10	6.91	0.5	40	3.25	0.76	0.32	0.02	7.33	2.3	16	15.00	7.8	0.65



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## CERTIFICATE OF ANALYSIS AD17100396

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
BCRK278		10.70	0.07	0.5	0.009	2.06	3.6	6.2	0.07	107	1.75	2.82	3.8	2.0	330	46.9
BCRK279		11.60	0.10	1.2	0.015	3.08	10.0	4.8	0.06	162	1.24	2.65	4.3	2.4	320	70.4
BCRK280		19.55	0.08	1.6	0.005	1.90	2.1	12.6	0.03	2330	0.94	4.34	22.1	2.7	650	16.5
BCRK281		12.75	0.07	0.2	0.007	0.81	0.6	19.9	0.22	113	1.58	3.94	5.4	3.3	270	6.9
BCRK282		14.50	0.07	<0.1	<0.005	4.43	1.4	4.1	0.03	57	0.26	1.33	0.3	2.1	1240	29.8
BCRK283		9.59	0.05	<0.1	0.012	0.25	<0.5	362	0.03	220	5.42	0.20	0.6	2.8	10	2.0
BCRK284		9.67	0.06	0.1	<0.005	4.33	2.2	8.5	0.02	73	1.35	0.95	2.5	2.8	680	25.1
BCRK285		11.70	0.06	0.3	<0.005	0.73	1.3	40.3	0.03	199	4.88	0.94	22.7	3.7	80	3.2
BCRK286		31.2	0.07	0.6	<0.005	2.44	1.9	84.6	0.08	188	2.06	0.55	60.4	3.4	50	2.9
BCRK287		19.50	0.09	0.4	0.025	5.10	10.5	14.2	0.04	53	0.49	0.20	8.2	5.9	710	37.6
BCRK288		24.5	0.12	0.8	<0.005	3.98	7.1	37.3	0.05	230	1.58	0.12	38.3	6.5	270	17.6
BCRK289		2.47	0.07	0.2	0.011	0.14	7.4	20.8	0.08	108	20.9	0.07	0.8	5.5	80	4.2
BCRK290		2.68	0.07	0.3	0.007	0.25	7.2	35.2	0.06	117	51.2	0.05	1.2	4.8	70	3.4
BCRK291		1.36	0.08	0.1	0.006	0.07	5.8	8.7	0.03	87	84.1	0.03	0.9	3.6	60	2.4
BCRK292		1.33	<0.05	0.1	0.040	0.08	1.5	14.1	0.03	101	102.0	0.04	2.4	3.6	60	7.2
BCRK293		1.06	0.07	0.1	0.025	0.08	1.2	12.2	0.03	82	19.50	0.03	0.7	3.4	40	2.7
BCRK294		17.90	0.07	0.7	0.015	5.26	4.3	62.1	0.03	411	1.89	1.42	18.0	2.3	160	24.6
BCRK295		11.85	0.23	2.3	0.092	1.34	38.3	18.2	0.04	70	3.40	0.11	5.6	2.0	920	32.1
BCRK296		15.35	0.11	2.4	0.059	4.34	12.7	37.9	0.09	497	0.99	1.48	6.2	4.5	520	24.1
BCRK297		0.71	<0.05	<0.1	<0.005	0.05	0.6	5.5	0.04	170	3.62	0.03	0.2	3.9	10	1.1
BCRK298		24.4	0.18	1.1	0.102	0.08	18.6	12.5	0.18	1180	1.49	0.01	5.4	16.7	610	18.9
BCRK299		0.83	<0.05	<0.1	<0.005	0.01	<0.5	4.1	0.08	81	2.91	0.03	0.2	3.2	10	1.8
BCRK300		21.5	0.17	0.7	0.118	0.14	18.0	3.6	1.28	1060	1.97	0.09	3.6	40.9	400	15.5
BCRK301		14.85	0.21	1.7	0.059	0.64	6.2	33.5	4.79	1160	0.23	1.45	3.7	231	340	8.5
BCRK302		16.85	0.11	0.5	0.017	1.67	17.3	52.2	0.11	110	1.14	0.06	10.5	4.1	160	39.7
BCRK303		17.05	0.10	0.4	0.011	1.17	9.5	33.1	0.10	233	1.48	0.10	7.1	3.6	140	30.5
BCRK304		17.50	0.39	0.3	0.009	0.27	41.5	20.1	0.03	82	1.91	0.02	3.1	2.7	280	171.5
BCRK305		17.25	0.12	0.4	0.012	0.76	15.8	38.7	0.08	100	1.24	0.05	8.3	2.5	100	41.9
BCRK306		21.2	0.09	0.6	0.017	1.26	7.8	62.2	0.10	157	1.79	0.11	12.7	2.0	50	36.4
BCRK307		16.75	0.09	1.4	0.012	0.54	11.1	35.2	0.05	69	1.14	0.03	5.5	5.6	100	31.5
BCRK308		13.45	0.08	0.8	0.007	0.45	10.0	37.8	0.12	119	1.66	0.03	4.2	3.5	50	41.4
BCRK309		34.5	0.07	0.7	<0.005	1.47	5.1	61.9	0.07	81	1.15	0.08	64.7	3.5	60	9.5
BCRK310		85.3	0.14	27.9	<0.005	5.51	2.1	137.0	0.07	335	0.48	0.26	292	2.1	130	5.2
BCRK311		19.15	<0.05	0.9	0.006	0.52	5.5	34.0	0.08	65	1.77	0.03	30.0	3.0	50	7.6
BCRK312		17.15	0.09	0.3	0.018	0.67	21.8	63.9	0.40	98	1.25	0.03	8.1	3.8	100	39.7
BCRK313		2.62	<0.05	0.1	0.008	0.35	5.5	29.9	0.04	91	3.74	0.03	2.9	2.8	30	3.6
BCRK314		1.26	<0.05	0.2	<0.005	0.17	2.1	3.1	0.04	59	4.91	0.01	0.8	2.5	40	0.9
BCRK315		20.2	0.07	1.1	0.026	3.56	1.6	32.7	0.05	258	1.17	2.91	5.1	2.1	710	14.1
BCRK316		21.4	0.06	0.9	0.021	3.63	1.3	9.6	0.05	1070	1.27	2.98	7.4	2.8	840	16.3
BCRK317		17.35	0.06	1.0	0.014	2.73	2.9	8.0	0.05	358	1.17	3.27	1.9	4.8	490	15.1





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## CERTIFICATE OF ANALYSIS AD17100396

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
BCRK278		93.4	<0.002	<0.01	0.16	1.5	<1	3.5	50.2	1.18	<0.05	1.30	0.017	0.46	1.4	1
BCRK279		132.0	<0.002	<0.01	0.15	1.5	<1	3.1	53.4	1.24	<0.05	2.04	0.023	0.68	2.8	3
BCRK280		392	<0.002	<0.01	0.19	0.6	<1	5.8	12.4	21.4	<0.05	1.08	0.006	2.07	1.6	3
BCRK281		131.5	<0.002	<0.01	0.16	0.6	<1	10.0	17.9	4.18	<0.05	0.30	0.005	0.75	0.4	7
BCRK282		960	<0.002	<0.01	0.13	0.9	<1	0.4	10.9	0.22	<0.05	0.21	<0.005	22.9	0.1	1
BCRK283		69.6	<0.002	<0.01	0.38	0.2	<1	0.8	1.7	0.06	<0.05	0.05	<0.005	0.45	0.2	1
BCRK284		870	<0.002	<0.01	0.15	0.7	<1	0.5	23.3	5.49	<0.05	0.34	0.009	11.80	0.1	2
BCRK285		254	<0.002	<0.01	0.21	0.6	<1	13.4	3.5	5.87	<0.05	0.60	0.017	1.42	0.3	4
BCRK286		740	<0.002	<0.01	0.12	1.7	<1	64.3	9.7	20.9	<0.05	0.30	0.021	3.41	0.4	5
BCRK287		850	<0.002	<0.01	0.10	5.1	<1	4.2	45.0	7.81	<0.05	0.58	0.010	11.15	0.7	3
BCRK288		810	<0.002	0.02	0.11	4.5	1	27.7	29.5	18.90	<0.05	0.74	0.016	4.73	1.1	6
BCRK289		28.4	0.002	<0.01	0.22	1.8	<1	5.6	29.5	0.22	0.07	1.88	0.020	0.18	1.4	6
BCRK290		64.4	0.002	<0.01	0.24	1.4	<1	10.3	24.1	0.27	<0.05	1.41	0.021	0.36	0.7	5
BCRK291		18.6	0.002	0.01	0.42	1.0	<1	5.8	18.1	0.28	0.20	0.81	0.009	0.12	0.7	3
BCRK292		25.5	0.002	0.01	0.55	0.5	<1	4.5	18.3	0.29	0.22	0.57	0.010	0.17	1.2	4
BCRK293		24.3	<0.002	<0.01	0.31	0.5	<1	3.3	8.8	<0.05	0.09	1.12	0.008	0.14	0.8	3
BCRK294		990	<0.002	<0.01	0.26	1.6	<1	32.3	18.2	18.05	<0.05	3.26	0.017	6.17	1.6	3
BCRK295		177.0	<0.002	0.01	0.13	10.3	2	18.8	131.5	1.49	<0.05	9.49	0.032	0.87	6.0	2
BCRK296		415	<0.002	<0.01	0.18	5.9	1	16.4	27.9	1.88	<0.05	9.44	0.048	2.16	13.5	5
BCRK297		6.1	<0.002	<0.01	0.12	0.4	<1	0.6	2.8	<0.05	<0.05	0.17	0.006	0.05	0.1	4
BCRK298		8.6	<0.002	<0.01	3.70	32.5	1	1.4	828	0.37	0.12	3.79	0.511	0.07	1.6	223
BCRK299		1.0	<0.002	<0.01	0.18	0.5	<1	0.5	10.3	<0.05	<0.05	0.07	0.012	<0.02	<0.1	7
BCRK300		10.9	<0.002	0.01	4.72	26.7	1	1.1	1220	0.24	<0.05	3.11	0.273	0.05	0.9	183
BCRK301		38.7	<0.002	<0.01	0.64	32.4	1	1.2	276	0.31	<0.05	4.94	0.322	0.19	0.6	176
BCRK302		142.0	<0.002	0.07	0.16	7.1	<1	3.3	81.5	2.59	<0.05	2.02	0.027	0.69	0.8	7
BCRK303		115.0	<0.002	0.13	0.12	13.3	<1	4.7	66.0	1.41	<0.05	1.11	0.018	0.66	0.5	7
BCRK304		38.6	<0.002	0.04	0.07	5.8	1	2.3	65.2	0.95	<0.05	1.02	0.014	0.18	0.5	4
BCRK305		67.3	<0.002	0.03	0.12	5.0	<1	2.1	35.6	1.54	<0.05	1.63	0.020	0.29	1.2	4
BCRK306		130.0	<0.002	0.01	0.12	5.2	<1	3.7	14.9	2.05	<0.05	1.17	0.019	0.59	0.6	3
BCRK307		61.2	<0.002	0.05	0.18	4.8	1	2.4	38.0	1.05	<0.05	3.94	0.023	0.30	0.8	8
BCRK308		40.7	<0.002	0.03	0.09	3.8	<1	1.6	27.3	0.98	<0.05	1.93	0.016	0.20	0.8	3
BCRK309		720	<0.002	0.02	0.11	1.4	<1	17.8	23.0	15.85	<0.05	1.75	0.019	2.82	0.9	4
BCRK310		3320	<0.002	0.03	0.20	7.1	1	72.6	32.1	70.0	0.16	6.60	0.027	12.85	3.1	11
BCRK311		162.0	<0.002	0.02	0.11	1.7	<1	4.9	23.5	8.41	<0.05	1.44	0.027	0.80	0.8	4
BCRK312		76.3	<0.002	0.01	0.15	4.1	<1	2.9	36.5	1.58	0.05	2.60	0.030	0.40	1.1	20
BCRK313		69.6	<0.002	<0.01	0.16	0.9	<1	4.2	6.9	0.68	<0.05	0.71	0.019	0.34	0.2	4
BCRK314		16.9	<0.002	<0.01	0.10	0.8	<1	0.5	4.1	0.09	<0.05	0.89	0.015	0.08	0.3	5
BCRK315		500	<0.002	<0.01	0.13	2.8	<1	11.4	4.4	1.57	<0.05	1.09	0.010	2.50	1.0	1
BCRK316		510	<0.002	<0.01	0.13	2.5	<1	6.9	4.6	1.92	<0.05	1.35	0.009	2.55	1.1	1
BCRK317		318	<0.002	<0.01	0.10	1.7	<1	5.2	5.2	0.58	<0.05	1.92	0.012	1.68	1.0	2



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**CERTIFICATE OF ANALYSIS AD17100396**

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
BCRK278		5.7	5.1	8	12.3	<0.001	
BCRK279		6.1	9.7	7	31.6	0.001	
BCRK280		1.8	3.4	11	17.1	0.001	
BCRK281		2.7	0.5	8	3.4	0.001	
BCRK282		0.3	0.4	2	1.3	0.001	99.0
BCRK283		0.4	0.3	153	0.6	0.001	
BCRK284		0.5	0.7	2	2.7	0.001	
BCRK285		2.4	0.9	15	5.8	<0.001	
BCRK286		8.7	2.8	46	5.2	<0.001	
BCRK287		1.5	4.0	6	4.4	0.001	
BCRK288		5.6	6.3	21	9.7	0.001	
BCRK289		228	2.7	43	7.9	0.002	
BCRK290		141.0	2.1	40	9.8	0.005	
BCRK291		171.5	1.2	14	3.6	0.003	
BCRK292		234	1.7	35	4.6	0.001	
BCRK293		129.0	1.5	20	2.7	0.001	
BCRK294		9.0	5.3	20	7.0	<0.001	
BCRK295		21.9	22.5	9	48.4	<0.001	
BCRK296		5.0	23.0	25	49.2	<0.001	
BCRK297		1.5	0.5	8	1.2	<0.001	
BCRK298		1.3	22.5	10	33.2	0.002	
BCRK299		0.9	0.2	8	0.6	0.001	
BCRK300		1.7	13.8	24	20.6	0.003	
BCRK301		0.7	15.3	76	58.2	0.003	
BCRK302		19.5	2.9	10	12.2	0.001	
BCRK303		18.6	1.4	29	10.3	0.001	
BCRK304		10.4	5.1	4	4.8	<0.001	
BCRK305		17.3	3.5	6	10.2	<0.001	
BCRK306		21.0	2.3	16	13.7	0.001	
BCRK307		23.0	6.2	8	40.4	0.001	
BCRK308		5.7	9.7	5	20.9	<0.001	
BCRK309		8.0	2.9	20	8.1	0.001	
BCRK310		25.5	8.5	99	285	0.001	
BCRK311		5.4	1.9	8	14.8	0.001	
BCRK312		8.1	2.1	10	7.5	0.001	
BCRK313		4.0	0.8	7	3.9	0.001	
BCRK314		0.6	1.3	<2	6.2	<0.001	
BCRK315		2.6	3.7	46	21.7	<0.001	
BCRK316		1.5	4.0	64	16.2	0.001	
BCRK317		0.7	4.1	32	20.6	<0.001	



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**CERTIFICATE OF ANALYSIS AD17100396**

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
BCRK318		5.97	0.02	6.76	0.4	1710	0.72	0.01	0.25	<0.02	21.2	1.5	11	3.48	8.1	0.37
BCRK319		6.66	0.06	6.75	0.4	1420	1.04	<0.01	0.45	<0.02	91.4	3.8	11	3.61	5.8	0.67
BCRK320		5.76	<0.01	7.24	1.5	1030	2.08	0.01	0.18	0.02	11.10	1.6	12	11.30	10.2	0.41
BCRK321		5.98	0.03	6.47	0.6	40	2.82	0.13	0.22	0.02	11.10	2.5	17	18.25	4.3	0.57
BCRK322		5.86	<0.01	6.59	0.8	400	2.10	0.07	0.60	<0.02	19.30	2.4	12	9.27	18.7	0.63
BCRK323		5.70	0.08	7.45	0.7	140	1.81	1.24	0.15	0.02	6.50	2.8	12	32.7	6.3	0.52
BCRK324		5.12	0.01	7.23	0.7	160	3.18	2.09	0.18	<0.02	8.76	1.8	12	40.6	8.5	0.61
BCRK325		7.10	<0.01	13.65	1.1	100	20.0	0.08	0.06	<0.02	2.02	1.5	2	>500	3.2	1.70
BCRK326		5.63	0.07	7.33	0.6	130	5.03	1.41	0.52	0.02	14.90	2.2	13	29.2	6.2	0.63
BCRK327		6.19	0.06	7.47	0.2	50	5.78	0.59	0.21	<0.02	6.16	1.2	16	51.3	6.8	0.62
BCRK328		7.59	0.06	7.36	0.2	30	4.67	2.21	0.15	<0.02	4.97	0.9	10	82.3	2.9	0.64
BCRK329		5.71	0.04	7.48	0.2	60	2.78	0.72	0.05	<0.02	4.16	1.4	12	89.2	8.5	0.66
BCRK330		5.94	0.06	7.05	0.6	80	2.61	2.06	0.27	<0.02	7.68	1.2	16	18.55	3.7	0.70
BCRK331		6.74	0.08	7.20	<0.2	140	5.81	2.45	0.27	<0.02	9.24	1.2	13	35.5	4.7	0.71
BCRK332		5.51	0.06	6.95	0.3	60	2.70	2.41	0.37	<0.02	6.29	1.0	13	13.80	3.7	0.71
BCRK333		6.51	0.08	6.41	0.2	50	3.18	28.8	0.09	<0.02	6.11	1.1	18	31.0	2.4	0.86
BCRK334		4.95	<0.01	15.25	0.2	120	12.00	0.71	0.07	<0.02	1.70	3.4	4	150.0	15.9	1.65
BCRK335		8.16	0.10	9.91	0.2	90	4.29	0.17	0.17	<0.02	5.53	2.4	4	59.5	10.3	0.25
BCRK336		6.47	<0.01	18.75	<0.2	10	14.30	0.44	0.01	<0.02	1.02	2.5	1	190.5	12.3	2.09
BCRK337		5.73	0.08	7.06	0.5	90	6.87	30.4	0.27	<0.02	6.80	2.3	13	50.6	4.6	0.50
BCRK338		4.90	0.06	8.97	3.9	810	2.87	27.9	0.04	<0.02	32.4	1.7	13	15.30	8.4	1.02
ABC031		4.61	0.05	10.65	1.5	250	9.41	0.68	0.43	<0.02	68.7	2.9	18	22.9	13.0	1.13



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# CERTIFICATE OF ANALYSIS AD17100396

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
BCRK318		13.00	0.09	1.1	0.005	5.39	9.8	2.9	0.01	57	0.93	1.93	1.4	2.5	20	18.0
BCRK319		13.55	0.15	1.6	0.005	4.85	36.0	1.8	0.03	191	0.94	2.09	4.2	3.2	220	13.5
BCRK320		18.45	0.08	2.4	0.005	6.07	5.0	3.5	0.02	52	0.95	1.69	8.2	3.6	30	25.3
BCRK321		17.55	0.09	0.8	0.033	3.46	6.6	7.9	0.03	166	1.43	2.70	3.3	3.3	800	10.5
BCRK322		18.90	0.09	2.9	0.021	3.52	7.7	4.0	0.03	100	1.05	2.85	10.9	5.6	50	17.6
BCRK323		17.10	0.08	0.5	0.013	5.10	3.2	23.9	0.02	592	1.02	2.52	2.5	2.8	770	15.7
BCRK324		19.85	0.07	0.6	0.074	3.52	2.9	65.9	0.04	288	0.99	2.39	10.9	1.7	660	11.7
BCRK325		138.5	0.15	2.7	0.005	4.97	0.7	2860	0.01	2460	0.19	0.39	148.5	1.7	1140	6.1
BCRK326		20.4	0.07	1.3	0.043	2.29	7.6	57.6	0.05	317	1.07	3.28	11.9	2.6	960	14.4
BCRK327		31.9	0.05	0.2	0.316	2.87	2.7	248	0.06	305	1.26	2.02	20.8	1.6	250	9.9
BCRK328		25.7	0.06	1.2	0.063	2.21	2.3	138.5	0.02	380	0.85	3.19	23.3	1.8	560	5.8
BCRK329		28.5	0.07	0.3	0.261	5.53	1.6	151.5	0.05	201	1.01	0.94	17.9	1.9	420	18.9
BCRK330		18.60	0.08	0.5	0.039	3.30	4.2	26.4	0.04	179	1.36	2.68	5.9	2.1	660	13.9
BCRK331		23.1	0.07	0.7	0.082	2.49	5.0	71.1	0.06	346	1.14	2.82	13.0	2.1	500	12.0
BCRK332		20.6	0.08	0.9	0.047	2.46	3.3	32.3	0.04	445	1.05	2.90	6.6	1.7	680	12.0
BCRK333		30.2	0.07	0.3	0.192	3.16	3.0	124.0	0.05	178	1.42	1.22	23.3	1.8	380	10.9
BCRK334		119.0	0.24	7.2	0.255	6.17	0.5	820	0.07	792	0.41	2.11	109.0	1.6	260	21.3
BCRK335		23.9	0.06	0.2	0.011	5.26	2.6	28.4	0.03	110	0.30	4.66	4.3	4.4	1020	12.8
BCRK336		154.0	0.26	2.7	0.389	5.71	<0.5	1140	0.09	502	0.10	0.39	176.0	0.7	100	4.2
BCRK337		18.65	0.07	0.9	0.034	3.39	3.2	57.1	0.04	452	1.13	2.79	4.8	1.5	830	20.6
BCRK338		34.8	0.10	0.9	0.301	2.19	16.3	137.0	0.08	127	1.09	0.07	22.9	2.9	260	20.8
ABC031		28.7	0.14	1.5	0.006	1.91	60.0	26.9	0.50	236	1.13	0.11	28.7	7.8	150	19.6



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## CERTIFICATE OF ANALYSIS AD17100396

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
BCRK318		184.5	<0.002	<0.01	0.10	0.4	<1	1.0	102.0	0.20	<0.05	5.75	0.022	1.13	0.7	4
BCRK319		124.5	<0.002	<0.01	0.06	0.9	<1	1.5	95.7	0.40	<0.05	12.00	0.056	0.64	0.6	4
BCRK320		217	<0.002	<0.01	0.09	0.7	1	1.1	60.5	2.32	<0.05	20.0	0.021	1.27	5.1	6
BCRK321		510	<0.002	<0.01	0.08	1.0	<1	3.0	5.1	0.91	<0.05	4.32	0.011	2.79	1.6	2
BCRK322		148.5	<0.002	<0.01	0.15	1.9	1	4.5	48.9	2.19	<0.05	14.45	0.053	0.70	4.3	9
BCRK323		660	<0.002	<0.01	0.11	1.3	<1	5.9	6.1	0.70	<0.05	1.20	0.010	3.55	0.7	2
BCRK324		520	<0.002	0.01	0.09	5.2	<1	20.7	12.5	2.93	<0.05	1.50	0.012	2.65	1.2	1
BCRK325		3940	<0.002	<0.01	0.14	0.9	<1	>500	37.1	51.9	0.06	0.41	0.020	28.7	2.9	4
BCRK326		372	<0.002	0.01	0.18	3.1	<1	17.0	14.5	9.24	<0.05	4.75	0.016	1.83	5.3	2
BCRK327		384	<0.002	<0.01	0.18	19.6	<1	33.6	7.5	4.56	<0.05	0.54	0.026	1.55	0.4	1
BCRK328		510	<0.002	<0.01	0.19	3.7	<1	41.5	3.0	12.15	<0.05	1.65	0.011	2.36	14.9	1
BCRK329		860	<0.002	<0.01	0.15	14.8	<1	26.3	7.7	4.61	<0.05	0.88	0.019	4.18	0.5	2
BCRK330		349	<0.002	<0.01	0.13	3.3	<1	9.6	6.2	1.94	<0.05	1.44	0.010	1.65	1.2	1
BCRK331		381	<0.002	<0.01	0.13	7.0	<1	18.0	8.7	6.98	<0.05	2.04	0.015	1.79	3.5	1
BCRK332		266	<0.002	<0.01	0.13	4.4	<1	10.4	6.9	2.22	<0.05	1.74	0.009	1.20	2.0	1
BCRK333		500	<0.002	<0.01	0.10	19.9	<1	35.9	14.1	5.42	<0.05	0.84	0.030	2.14	1.2	1
BCRK334		2130	<0.002	<0.01	0.19	5.1	<1	257	3.4	18.40	0.05	4.17	0.023	7.29	4.5	1
BCRK335		980	<0.002	<0.01	0.28	0.4	<1	12.9	6.8	1.29	<0.05	0.24	0.007	4.91	0.5	2
BCRK336		1700	<0.002	<0.01	0.15	7.8	<1	349	0.9	30.5	0.06	2.52	0.031	9.38	4.6	1
BCRK337		490	<0.002	<0.01	0.20	1.9	<1	16.7	15.4	1.81	<0.05	2.30	0.006	2.40	2.0	1
BCRK338		279	<0.002	0.02	0.33	27.1	<1	28.9	40.2	7.62	<0.05	4.94	0.037	1.12	2.2	11
ABC031		429	<0.002	0.01	0.22	6.7	<1	59.5	76.6	16.10	<0.05	1.36	0.026	1.67	1.4	8



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**CERTIFICATE OF ANALYSIS AD17100396**

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
BCRK318		0.3	2.1	3	34.0	<0.001	
BCRK319		0.3	6.5	9	57.7	<0.001	
BCRK320		0.6	19.5	4	36.8	<0.001	
BCRK321		0.5	4.2	28	19.4	<0.001	
BCRK322		1.2	11.9	9	66.8	<0.001	98.0
BCRK323		0.9	4.6	19	10.2	<0.001	
BCRK324		5.5	4.0	23	11.3	0.001	
BCRK325		44.8	1.7	678	26.2	<0.001	
BCRK326		4.2	13.9	32	29.0	<0.001	
BCRK327		19.9	2.5	17	2.9	0.001	
BCRK328		8.7	3.8	37	17.9	<0.001	
BCRK329		15.9	2.6	21	4.9	0.001	
BCRK330		2.9	8.7	22	10.7	<0.001	
BCRK331		10.4	8.2	28	12.4	<0.001	
BCRK332		4.1	7.0	22	15.3	<0.001	
BCRK333		17.4	4.0	43	6.0	0.001	
BCRK334		112.5	5.5	129	117.5	<0.001	
BCRK335		15.1	2.2	10	3.1	<0.001	
BCRK336		119.5	0.7	170	44.7	<0.001	
BCRK337		4.2	7.8	17	18.9	0.001	
BCRK338		23.9	8.1	24	18.7	<0.001	
ABC031		4.1	5.1	17	22.5	0.003	



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**CERTIFICATE OF ANALYSIS AD17100396**

**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 LEV-01  
PUL-31 PUL-QC SPL-21

LOG-22  
WEI-21