



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty Ltd

32 Shand Street

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CERTIFICATE AD08171148

Project: Tas Uranium

P.O. No.: 758 (252067)

This report is for 18 Rock samples submitted to our lab in Adelaide, SA, Australia on 4-DEC-2008.

The following have access to data associated with this certificate:

ANDREW DRUMMOND
SYD MORETE

RUSSELL FULTON

DEBORAH HEPBURN-BROWN

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
PUL-23	Pulv Sample - Split/Retain
CRU-21	Crush entire sample >70% -6 mm
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS

To: **MINEMAKERS LITMITED**
ATTN: DEBORAH HEPBURN-BROWN
PO BOX 1704
WEST PERTH WA

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:

Shaun Kenny, Brisbane Laboratory Manager



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Method Analyte Units LOR	WEI-21 Recvd Wt. kg	PUL-QC Pass75um %	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
Sample Description	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
BE22-1	1.96		0.1	4.11	14.7	70	4.15	0.9	0.09	<0.02	29.1	1.8	16	7.73	7.2
BE8-1	1.48		0.22	6.99	8.5	330	3.91	0.46	0.07	0.03	81.4	1.9	92	28.1	9.1
BH22-1	1.40		0.03	0.62	2.2	10	0.81	0.31	0.06	<0.02	4.57	1.1	7	1.33	8.9
CC34-1	1.00		0.09	6.62	16.8	200	3.88	0.4	0.06	<0.02	60.9	0.5	27	8.53	12.3
CC37-1	0.96		0.11	1.3	191	140	3.23	0.12	0.03	0.02	19.3	2.2	31	6.55	9.4
CC61-1	1.19		0.19	3.45	6.2	180	3.4	0.2	0.04	<0.02	38.7	0.9	26	7.18	8
CC61-2	1.09		0.14	3.63	54.3	160	5.24	0.73	0.03	<0.02	26.5	0.8	13	7.92	7.6
CC61-3	0.94		0.08	5.27	16.8	150	2.91	0.14	0.04	<0.02	57.2	0.6	30	4.25	6.9
CCP1	1.43	99.0	0.2	4.88	29	160	6.02	1.64	0.03	<0.02	106.5	2.1	83	18.6	35.1
CCP2	1.55		0.23	6.2	63.4	130	8.49	2.21	0.02	0.37	53	2.5	33	22	11.1
DH11-1	1.67		0.34	5.64	56.9	260	5.87	0.43	0.02	0.11	90.2	7.4	56	19.5	19.2
DH11-2	2.70		0.39	5.48	89.3	230	4.94	0.39	0.01	0.03	74.6	1.3	49	17	10.6
DH11-3	2.74		0.39	5.67	47	260	5.36	0.4	0.01	<0.02	76.5	0.9	46	16.2	7.3
DHz-1	1.60		0.24	4.46	4.4	300	4.4	1.29	0.04	<0.02	76.3	0.7	15	9.95	11.4
PC4-1	1.52		0.22	5.31	3.1	50	4.69	29.9	0.02	<0.02	19.2	0.7	11	21.3	6.6
RG03-1	1.61		0.4	6.56	12.4	130	9.37	8.48	0.01	0.13	62	0.7	18	15.6	1.9
RW11-1	1.95		0.05	1.91	6.9	10	1.46	0.75	0.02	<0.02	17.85	0.6	22	3.73	4.6
FC2-1	1.64		0.13	8.25	11.7	400	4.06	0.5	0.01	<0.02	119.5	1.3	68	18.25	14.8



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Sample Description	Method Analyte Units LOR	ME-MS61														
		Fe	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
		0.01	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
BE22-1		1.31	14.7	0.07	2.4	0.07	1.56	13.9	147.5	0.12	142	2.77	0.03	11.1	5.3	120
BE8-1		1.6	21.6	0.12	5.2	0.035	2.16	40.6	154	0.28	73	1.86	0.04	14.9	13	200
BH22-1		1.29	3.29	0.06	0.4	0.007	0.23	2.4	63.5	0.04	133	2.1	0.01	1.6	5.7	50
CC34-1		1.27	20.9	0.14	5.4	0.055	1.32	26.2	113	0.17	66	1.24	0.02	8	1.6	340
CC37-1		14.85	7.84	0.27	1.7	0.025	0.21	9.6	68.7	0.03	81	5.89	0.01	3.1	3.2	1020
CC61-1		0.89	11.35	0.1	2.6	0.028	1.31	19.4	165.5	0.11	103	2.06	0.02	20	3.5	150
CC61-2		2	13.4	0.11	2.2	0.056	1.31	12	104	0.08	104	7.51	0.03	23.5	2	160
CC61-3		1.23	15.45	0.14	2.7	0.033	1.04	26.5	378	0.13	50	3.22	0.02	10.7	2.1	180
CCP1		5.14	22.8	0.2	8.2	0.197	0.76	42.1	76.7	0.07	171	14.5	0.03	16.6	16.8	160
CCP2		3.48	26.9	0.14	2.8	0.087	1.08	23.9	115	0.07	136	26.7	0.02	20.8	18.4	140
DH11-1		2.05	21.6	0.18	6.2	0.094	2.35	43.4	31.7	0.17	59	36.8	0.04	75.1	19.3	250
DH11-2		2.8	20.4	0.15	5	0.079	2.31	36.7	32.1	0.16	44	8.42	0.04	60	4.9	240
DH11-3		1.62	20.1	0.16	5.5	0.065	2.55	38.4	35.4	0.17	53	9.28	0.04	62.8	2.4	200
DHz-1		0.88	19.85	0.14	6.2	0.087	1.89	33.5	53.9	0.09	89	2.35	0.02	39.9	4.8	170
PC4-1		3.07	24.5	0.13	1.9	0.305	2.44	8.4	137	0.08	221	1.01	0.03	11.9	7.6	100
RG03-1		1.36	27.9	0.14	4.3	0.063	3.41	33	67.4	0.11	99	1.16	0.07	19.8	12.8	800
RW11-1		0.92	8.72	0.05	2.3	0.034	0.77	6.6	39.9	0.03	105	6.06	0.01	6.2	14.7	40
FC2-1		1.25	26.4	0.16	5.5	0.061	2.86	61	56.2	0.33	44	1.11	0.05	18.7	6.2	160



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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
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
BE22-1		12.7	197	<0.002	0.01	0.35	3.2	<1	7.3	53.8	1.51	<0.05	7.2	0.089	1	15.8
BE8-1		21.4	151	0.006	0.93	1.38	9.8	2	4.8	125	1.23	<0.05	13.6	0.417	1.26	2.7
BH22-1		1.1	46.5	<0.002	0.01	0.65	0.5	<1	1.9	6.8	0.43	<0.05	1	0.007	0.28	0.9
CC34-1		11.3	109.5	<0.002	0.01	0.73	8.5	1	2.7	198.5	0.62	<0.05	9.5	0.369	0.48	1.9
CC37-1		6.6	19.5	<0.002	0.04	11.85	4.6	10	1.2	54.4	0.18	0.05	3.4	0.109	0.13	1.4
CC61-1		8.8	105	<0.002	0.01	0.41	4.6	<1	2.8	60.8	0.82	<0.05	8.9	0.23	0.67	12.8
CC61-2		70.1	113	0.002	0.02	0.64	2.8	<1	4.2	45.8	1.32	<0.05	8.7	0.105	0.86	15.2
CC61-3		11.7	84.9	<0.002	0.01	0.57	5.4	<1	3	88.6	0.81	<0.05	13	0.257	0.49	2.9
CCP1		62.2	96.8	0.002	0.16	2.27	44.8	4	10	73.1	1.21	<0.05	34.5	0.114	1.03	194
CCP2		33.9	127.5	0.022	2.44	0.67	5.6	3	7.9	63.3	2.06	<0.05	25.5	0.137	8.3	191
DH11-1		30.8	238	0.007	0.79	0.86	9.1	1	4.4	61.4	1.23	<0.05	20.1	0.314	3.12	219
DH11-2		29.2	238	0.02	0.2	0.69	7.8	1	4.1	59.9	1.15	<0.05	20.3	0.315	2.55	45.5
DH11-3		29.1	255	0.009	0.17	0.68	7.6	1	4.3	65.7	1.14	<0.05	15.7	0.338	4.78	29.8
DHz-1		29.6	271	<0.002	0.02	0.28	5.3	1	15.3	75.5	3.89	<0.05	19.5	0.154	1.41	33.8
PC4-1		15.6	385	<0.002	0.02	1.5	2.3	<1	36.5	16.2	2.91	<0.05	9.5	0.022	2.41	5.2
RG03-1		48.5	366	<0.002	0.01	1.82	4.5	1	10.3	46.3	2.94	<0.05	21.5	0.077	2.2	378
RW11-1		3.6	140.5	<0.002	<0.01	0.17	1.6	<1	6.8	13.5	1.19	<0.05	10.3	0.019	0.75	7.3
FC2-1		14.3	202	<0.002	0.01	0.92	14.9	1	5.7	72.6	1.49	<0.05	20.4	0.461	0.9	5



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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
		1	0.1	0.1	2	0.5
BE22-1		19	17.2	8.2	14	52.8
BE8-1		96	8	17	21	152
BH22-1		2	1.6	7.2	<2	7
CC34-1		98	6.2	20.6	6	161.5
CC37-1		34	4.2	6.7	61	48.6
CC61-1		34	37.1	7.7	5	75.5
CC61-2		16	21.9	5.7	20	45.6
CC61-3		66	20.5	11.3	3	77.7
CCP1		81	21.8	63.7	21	242
CCP2		24	58.6	23.2	40	76.4
DH11-1		70	69.6	31.7	24	166
DH11-2		65	56.8	14.8	11	137.5
DH11-3		66	57.6	13.7	8	135
DHz-1		16	21.3	97.8	8	146
PC4-1		2	4.9	5.5	26	36
RG03-1		5	17.2	26.3	11	116
RW11-1		6	2.3	15.1	6	44.8
FC2-1		85	11.5	22.1	10	168



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Finalized Date: 16-DEC-2008

Account: MINMAK

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