



# ALS Chemex

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Page: 1  
Finalized Date: 16-JUN-2008  
Account: WEDES

## CERTIFICATE AS08068897

Project: Alice Springs

P.O. No.: AS002

This report is for 177 Sediment samples submitted to our lab in Alice Springs, NT, Australia on 27-MAY-2008.

The following have access to data associated with this certificate:

INFO

JOHN FABRAY

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
WSH-22	"Wash" pulverizers
LOG-22	Sample login - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
PUL-21	Pulverize entire sample
PUL-QC	Pulverizing QC Test

## ANALYTICAL PROCEDURES

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

To: **WESTERN DESERT RESOURCES**  
**ATTN: JOHN FABRAY**  
**LEVEL 1, 26 GREENHILL ROAD**  
**WAYVILLE SA 5034**

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:**

Wayne Abbott, Operations Manager, Western Australia



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## CERTIFICATE OF ANALYSIS AS08068897

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	PUL-QC Pass75um % 0.01	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
FLUSH A		<0.02		0.02	5.25	<0.2	910	1.07	0.05	0.85	0.03	20.7	3.1	10	1.18	4.3
FLUSH B		<0.02		0.03	5.38	<0.2	900	1.12	0.04	0.92	0.02	25	3.7	13	1.26	4.6
FLUSH C		<0.02		0.03	5.41	<0.2	910	1.13	0.05	0.93	0.02	23.1	3.5	13	1.2	6.8
CD001		1.92		0.06	5.28	0.3	670	1.17	0.17	0.83	0.07	259	10.3	33	4	15
CD002		1.41		0.04	5.42	<0.2	600	1.04	0.08	0.9	0.06	220	8.9	30	3.14	14.8
CD003		1.07		0.06	5.58	0.3	650	1.27	0.13	1.28	0.07	134.5	13.1	40	3.35	19.6
CD004		0.98		0.05	5.7	<0.2	630	1.51	0.07	1.46	0.06	66	11.1	36	3.01	14.8
CD005		1.74		0.04	5.12	<0.2	770	1.05	0.02	1.56	0.03	130.5	7.2	26	2.41	10.5
CD006		1.39		0.03	5.32	<0.2	1050	1.1	0.03	0.9	0.02	173	6	25	2.06	9.8
CD007		1.35	96.5	0.04	5.4	<0.2	650	1.26	0.06	1.3	0.04	82.8	10	33	2.81	13.3
CD008		1.61		0.03	4.79	<0.2	920	0.86	0.03	0.79	0.02	106.5	5.6	18	2.04	6.8
CD009		1.61		0.02	5.13	<0.2	1010	1.05	0.03	1.15	0.03	60.9	7.9	27	2.22	11.3
CD010		1.37		0.05	5.46	<0.2	560	1.07	0.09	1.89	0.09	73.9	18.5	59	2.43	24.9
CD011		1.99		0.05	5.53	<0.2	440	1.09	0.09	2.24	0.14	73.8	22.6	72	2.4	29.3
CD012		1.45		0.05	5.36	<0.2	720	1.27	0.05	2.2	0.05	65.3	10.3	43	2.46	16.4
CD013		1.35		0.04	5.04	<0.2	920	1.06	0.05	1.21	0.05	51.1	9	29	2.41	9.2
CD014		1.12		0.05	5.38	0.2	840	1.22	0.07	1.42	0.05	100.5	11	41	2.59	11
CD015		1.31		0.11	4.82	0.3	890	1.22	0.07	0.68	0.04	49	5.8	11	2.73	6.6
CD016		1.54		0.03	5.04	<0.2	690	1.08	0.07	1.02	0.03	73.6	6.6	20	3.11	19.4
CD017		1.65		0.02	4.61	<0.2	760	1.15	0.14	0.6	0.04	20.4	4	9	3.62	4.8
CD018		1.31		0.02	4.51	<0.2	780	0.79	0.03	0.58	0.02	36.8	4	16	2.24	7.6
CD019		1.74		0.03	4.6	<0.2	720	0.79	0.05	0.66	0.02	73.3	6.6	24	3.01	8.9
CD020		1.22		0.02	4.86	<0.2	800	0.97	0.05	0.64	0.03	154	4.3	16	2.81	6.3
CD021		1.70		0.02	4.56	<0.2	700	0.98	0.04	0.58	0.02	70.5	3.6	13	2.55	7.3
CD022		1.76		0.04	4.93	<0.2	680	1.31	0.03	0.68	0.02	161.5	3.7	11	2.8	6
CD023		1.81		0.01	5.27	<0.2	890	1.1	0.03	0.71	0.02	91.8	2.8	7	1.74	3.7
CD024		1.52		0.02	4.44	<0.2	720	1.11	0.06	0.39	0.03	23.7	3	12	3.34	6.5
CD025		1.71		0.04	5.03	<0.2	690	1.54	0.06	0.63	0.03	38.2	4.4	7	4.03	4.8
CD026		1.45		0.03	4.81	<0.2	780	1.11	0.04	0.59	0.02	90	3.8	9	1.62	3.9
CD027		1.88		0.03	5.2	<0.2	960	1.1	0.03	0.67	0.03	112.5	2.4	8	1.29	4.6
CD028		1.78		0.02	4.88	<0.2	920	1.04	0.02	0.72	0.03	66.2	2.3	4	0.95	2.6
CD029		1.58		0.07	5.47	<0.2	950	2.04	0.1	1.84	0.08	87	14.2	25	2.3	6.1
CD030		1.38		0.07	5.16	<0.2	880	1.59	0.09	1.08	0.07	79	9.2	10	2.73	5
CD031		1.68		0.06	5.01	<0.2	700	1.23	0.08	1.11	0.06	295	12.1	40	3.22	12.6
CD032		1.43		0.05	5.2	<0.2	670	1.36	0.08	1.16	0.06	111	12.2	44	3.78	13.7
CD033		1.38		0.04	5.25	<0.2	620	1.34	0.11	1.32	0.06	73.9	12.2	52	4.15	14.6
CD034		1.47		0.03	5.06	<0.2	740	1.18	0.07	0.74	0.03	63.2	4.1	16	2.59	5.8
CD035		1.21		0.04	5.46	<0.2	640	1.39	0.1	1.44	0.07	102.5	14.2	56	3.97	15.4
CD036		1.62		0.03	5.02	<0.2	690	1.28	0.09	0.78	0.05	84.5	5.5	26	3.04	10.5
CD037		1.73		0.03	4.72	<0.2	790	1.09	0.05	0.64	0.04	46.5	3.6	12	2.02	6



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## CERTIFICATE OF ANALYSIS AS08068897

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
		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
FLUSH A		1.02	10.3	0.12	1.2	0.014	1.74	12.1	4.8	0.21	156	0.19	1.31	1.9	5.6	110
FLUSH B		1.17	10.75	0.13	1.2	0.015	1.55	14.3	5.2	0.24	180	0.22	1.34	2.3	6.7	120
FLUSH C		1.2	10.4	0.11	1.2	0.017	1.54	13	5.1	0.23	180	0.52	1.37	2.1	7	120
CD001		3.62	14.5	0.4	2.4	0.044	1.85	127	13.1	0.73	753	0.28	0.58	8.2	15.5	350
CD002		2.97	14.1	0.34	1.8	0.034	1.99	111.5	10.3	0.66	652	0.27	0.8	7	15.7	300
CD003		4.15	15.1	0.26	2.3	0.044	2.14	66.8	11.8	0.88	757	0.7	0.79	8	20.4	340
CD004		3.18	14.3	0.19	1.8	0.04	1.74	32.8	11.5	0.79	521	0.36	1.09	7.1	17.6	270
CD005		2.78	13.35	0.26	1.9	0.032	2.28	65.7	9.6	0.61	442	0.37	0.93	7.7	13.1	300
CD006		2.43	13.35	0.29	2.1	0.029	1.52	86.4	8.4	0.4	430	0.67	0.95	6.8	11.3	350
CD007		3.07	13.15	0.2	1.6	0.036	1.48	41.5	10.7	0.78	564	0.26	0.92	7	15.8	230
CD008		2.3	11.45	0.21	1.5	0.025	2.79	53.9	7.7	0.4	393	0.21	0.78	6.4	8.6	220
CD009		2.56	12.1	0.16	1.4	0.029	1.46	29.9	8.1	0.6	397	0.59	0.87	6.2	13.6	210
CD010		4.99	13.45	0.2	1.8	0.052	1.65	35.9	10.9	1.51	929	0.79	0.69	7.2	30.7	290
CD011		6.09	14.65	0.22	1.8	0.063	1.72	36	11.1	1.92	1210	0.25	0.6	7.8	35.5	290
CD012		3.18	13	0.19	1.6	0.034	2.22	32.3	9.4	0.96	563	0.75	0.92	6.4	22.2	320
CD013		2.76	11.9	0.15	1.5	0.036	1.93	23.7	8.3	0.68	446	0.33	0.73	7.5	12.2	250
CD014		3.8	13.45	0.21	2.8	0.046	1.91	48.1	10.1	0.8	676	0.39	0.73	10.2	14.4	340
CD015		2.5	11.4	0.15	3.1	0.043	1.81	18.7	8.6	0.27	395	0.73	0.61	12.3	5.5	200
CD016		2.42	11.9	0.18	1.8	0.035	1.36	35.9	11.1	0.51	426	0.28	0.85	7.3	9.6	260
CD017		1.42	9.63	0.12	1.3	0.021	1.62	9.6	9.7	0.27	214	0.24	0.81	5	5.3	90
CD018		1.57	9.4	0.13	1.4	0.02	1.53	18.7	7.2	0.28	246	0.51	0.81	4.7	7.4	130
CD019		2.23	10.5	0.19	2.2	0.026	1.92	37	9.2	0.5	431	0.29	0.64	6.4	11.3	160
CD020		1.76	11.3	0.26	1.7	0.023	1.8	78.3	8.1	0.32	343	0.25	0.86	5.5	7.3	250
CD021		1.58	9.91	0.17	1.7	0.021	1.92	35.7	9.5	0.25	230	0.56	0.87	5.1	6.6	170
CD022		1.79	11.7	0.26	2.5	0.026	1.95	82.6	9.5	0.26	282	0.3	0.96	6.9	5.8	290
CD023		1.24	11.1	0.2	1.5	0.016	2.12	45.7	7.2	0.17	181	0.17	1.28	4.6	3.7	160
CD024		1.23	9.24	0.11	1.5	0.017	1.87	12.2	9.4	0.17	165	0.68	0.79	4.2	5.4	70
CD025		1.4	11.5	0.09	1.4	0.022	3.24	15.1	14.3	0.2	266	0.34	1.03	6.1	3.4	100
CD026		1.33	11.3	0.12	1.6	0.022	2.63	40.7	6.8	0.16	234	0.25	1.12	4.5	5.1	150
CD027		1.04	11.8	0.15	1.3	0.014	2.89	53.5	6.4	0.13	148	0.5	1.33	3	2.8	170
CD028		0.88	10.7	0.11	1.2	0.011	2.58	31.2	5.1	0.11	150	0.25	1.28	2.4	1.7	150
CD029		4.28	15.85	0.19	2.8	0.07	3.41	32.2	12.4	0.82	670	0.57	0.81	19	15.5	790
CD030		3.42	14.6	0.16	5.3	0.061	3.71	31.1	10.5	0.39	563	0.7	0.71	16.5	5.4	450
CD031		3.41	15.2	0.33	2.8	0.044	2.66	138	11.8	0.75	670	0.5	0.72	8.3	16.5	410
CD032		3.26	14.9	0.17	2.4	0.043	2.63	51.3	13.4	0.81	517	0.47	0.75	8.8	18.8	300
CD033		3.26	14.15	0.14	2	0.048	2.59	34.1	14.6	0.94	512	0.94	0.75	8.6	22.3	250
CD034		1.47	11.6	0.12	1.5	0.02	2.96	30.1	8.2	0.31	243	0.3	1.05	4.1	7.2	170
CD035		3.51	15.4	0.17	2.8	0.049	2.46	48	12.6	1.04	547	0.4	0.82	9	25.8	270
CD036		1.9	12.35	0.14	1.7	0.026	2.89	40.3	10.6	0.38	290	1.82	0.97	5.4	13.4	180
CD037		1.18	11	0.1	1.3	0.017	3.1	22	6.5	0.23	188	0.56	0.96	3.4	6.3	150



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	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
FLUSH A		22.9	77.4	<0.002	<0.01	0.06	3.3	1	0.7	204	0.16	<0.05	4.4	0.055	0.49	0.7
FLUSH B		22.9	84	<0.002	<0.01	0.08	3.8	1	0.7	207	0.19	<0.05	5.1	0.066	0.49	0.8
FLUSH C		22.4	73.7	<0.002	<0.01	0.09	3.7	1	0.8	210	0.17	<0.05	4.8	0.064	0.48	0.7
CD001		27.8	124	<0.002	<0.01	0.09	14.7	2	1.9	87.2	0.71	<0.05	60.8	0.272	0.71	6.3
CD002		28.8	116.5	<0.002	<0.01	0.06	10.9	2	2.2	93	0.66	<0.05	55	0.213	0.7	5.6
CD003		26.3	127	<0.002	<0.01	0.11	15.2	2	2.8	128	0.73	<0.05	32	0.336	0.68	3.6
CD004		23.5	109	<0.002	<0.01	0.06	12.3	1	2.6	141	0.62	<0.05	14.9	0.269	0.58	1.6
CD005		24.5	117	<0.002	0.01	<0.05	9.2	1	1.7	241	0.53	<0.05	35.6	0.205	0.61	2.4
CD006		29.6	87.7	0.002	<0.01	0.08	7.5	2	1.8	250	0.53	<0.05	50	0.188	0.68	3
CD007		23.7	85.5	<0.002	<0.01	<0.05	12.1	1	1.9	125.5	0.6	<0.05	20.4	0.224	0.59	2
CD008		26	122.5	<0.002	<0.01	0.06	7.7	1	1.5	180.5	0.42	<0.05	36.8	0.176	0.66	1.9
CD009		25.6	83.5	<0.002	<0.01	0.11	9	1	1.7	219	0.45	<0.05	15.3	0.188	0.64	1.3
CD010		17.7	102.5	<0.002	<0.01	0.05	20.9	2	2.2	105.5	0.6	<0.05	15.4	0.343	0.53	1.8
CD011		16	88.9	<0.002	<0.01	<0.05	27.1	2	2.3	80	0.65	<0.05	15.3	0.378	0.47	1.8
CD012		22.4	114	<0.002	0.01	0.12	11.5	1	1.9	211	0.5	<0.05	14.9	0.222	0.59	1.7
CD013		24.4	115	<0.002	<0.01	<0.05	10.6	1	2	175	0.59	<0.05	10.5	0.243	0.72	1.1
CD014		24.7	103.5	<0.002	0.01	0.06	14.2	1	2.5	167.5	0.9	<0.05	28.5	0.346	0.73	2.6
CD015		29.1	124	<0.002	<0.01	0.08	8.2	1	3.3	112.5	1.16	<0.05	14.2	0.324	0.92	1.9
CD016		21.5	88.1	<0.002	<0.01	<0.05	9.2	1	2.3	155	0.69	<0.05	16.4	0.256	0.58	2.5
CD017		21.1	99.2	<0.002	<0.01	<0.05	4.7	1	2	103.5	0.53	<0.05	5.4	0.1	0.66	1.4
CD018		23.9	76.5	<0.002	<0.01	0.07	4.9	1	1.6	144.5	0.39	<0.05	11.3	0.111	0.56	1.3
CD019		27.8	119	<0.002	<0.01	0.08	8	1	1.6	129	0.54	<0.05	29.8	0.168	0.71	2.7
CD020		27.4	101	<0.002	<0.01	<0.05	6	1	1.7	161	0.5	<0.05	41.8	0.14	0.59	4.6
CD021		21.2	102	<0.002	<0.01	0.08	4.7	1	2.1	132.5	0.48	<0.05	15.7	0.125	0.55	2.1
CD022		19.2	113.5	<0.002	<0.01	0.05	5.7	1	3	97	0.66	<0.05	31.6	0.176	0.63	3.5
CD023		28.6	92.4	<0.002	<0.01	<0.05	3.1	1	1.5	229	0.39	<0.05	31.1	0.09	0.53	2.7
CD024		20.7	107.5	<0.002	<0.01	0.09	3.2	1	2	97.7	0.43	<0.05	7.2	0.108	0.66	1.5
CD025		21.6	169.5	<0.002	<0.01	0.05	3.9	1	1.7	106	0.64	<0.05	9.5	0.106	0.72	2.3
CD026		22.3	120.5	<0.002	<0.01	0.05	3.7	1	1.9	155.5	0.42	<0.05	19.5	0.106	0.49	2
CD027		28.9	122	<0.002	<0.01	0.08	2.5	1	1.2	251	0.29	<0.05	33.3	0.066	0.49	2.8
CD028		24.7	102	<0.002	<0.01	<0.05	2.1	1	0.9	253	0.22	<0.05	17.4	0.056	0.42	1.6
CD029		25.3	179.5	<0.002	0.01	0.05	15.5	2	3.5	146.5	1.49	<0.05	12.4	0.554	0.76	2
CD030		26.5	207	<0.002	<0.01	0.07	11.7	2	3.8	129	1.45	<0.05	22.1	0.458	0.94	2.6
CD031		26.4	153	<0.002	<0.01	0.08	13.1	2	2.2	153.5	0.7	<0.05	98.1	0.254	0.7	7.3
CD032		23.2	159	<0.002	<0.01	0.05	12.1	1	2.4	151	0.75	<0.05	32	0.259	0.74	3
CD033		21.9	158.5	<0.002	<0.01	0.08	12.4	1	2.6	137.5	0.79	<0.05	20.6	0.253	0.73	2.4
CD034		25.4	140	<0.002	<0.01	0.05	4.4	1	1.5	194.5	0.41	<0.05	17.1	0.101	0.59	2.6
CD035		22.1	152	<0.002	<0.01	0.05	14.1	2	2.5	150	0.78	<0.05	29.6	0.286	0.71	2.7
CD036		24.9	148.5	<0.002	<0.01	0.08	5.8	1	1.9	160.5	0.5	<0.05	23.8	0.133	0.66	3
CD037		27.8	141	<0.002	<0.01	<0.05	3.7	1	1.3	195	0.29	<0.05	13.3	0.084	0.59	1.5



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## CERTIFICATE OF ANALYSIS AS08068897

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
FLUSH A		15	0.2	5.9	10	32.4
FLUSH B		17	0.2	6.8	13	34.7
FLUSH C		17	0.2	6.6	12	35.1
CD001		57	1.6	34.5	51	70.3
CD002		53	1	25.5	39	53
CD003		91	1.5	25.2	52	69.1
CD004		73	0.5	16.2	43	50.8
CD005		41	0.3	17.5	38	56
CD006		37	0.4	20	32	61.8
CD007		61	1.8	18.6	41	46.6
CD008		34	0.3	13.6	31	44.6
CD009		45	0.3	11.8	33	40.6
CD010		116	1	24.6	59	52.4
CD011		141	0.6	31.6	72	50.7
CD012		57	0.4	17	40	48.3
CD013		55	0.4	15.2	40	43.1
CD014		73	0.8	24.5	45	81.7
CD015		40	0.6	19.2	30	89.7
CD016		44	0.6	17.3	31	51.4
CD017		23	0.5	6.9	19	35.8
CD018		22	0.4	7.9	20	38.1
CD019		39	0.5	15.4	29	60.4
CD020		27	0.5	20.7	23	51.3
CD021		20	0.4	10.9	22	49.1
CD022		23	0.5	19.1	26	77.8
CD023		17	0.3	12.1	15	43.5
CD024		17	0.7	6.8	14	42
CD025		22	0.6	10.6	19	45.2
CD026		20	0.3	13.6	18	53.4
CD027		14	0.3	13.3	13	44.7
CD028		12	0.1	9.1	12	41.4
CD029		89	0.9	38.9	60	91.3
CD030		59	0.7	34.3	48	173.5
CD031		66	1.7	40.3	44	92.3
CD032		65	0.9	21.2	46	75.2
CD033		68	0.9	17.2	48	64.7
CD034		23	0.4	11.3	21	49.1
CD035		76	0.9	20.5	49	91
CD036		30	0.8	13.8	26	57.5
CD037		19	0.5	8.2	17	45.8



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## CERTIFICATE OF ANALYSIS AS08068897

Sample Description	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
		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
CD038		2.04		0.03	5.66	<0.2	740	1.4	0.04	0.94	0.04	72.1	5.8	18	2.48	7.5
CD039		1.73		0.02	5.1	<0.2	930	0.86	0.03	0.55	0.04	65.7	2.7	9	1.71	5.4
CD040		1.84		0.03	4.89	<0.2	900	0.88	0.04	0.55	0.03	45.9	2.6	8	1.72	4.3
CD041		1.95		0.05	5.44	<0.2	520	1.54	0.12	1.98	0.07	71.2	18	83	3.74	13.1
CD042		1.68		0.04	4.85	<0.2	820	1.09	0.07	0.88	0.05	101.5	4.2	12	2.34	9.2
CD043		1.61		0.03	4.63	<0.2	810	0.97	0.12	0.69	0.1	197	5.4	17	2.46	7.5
CD044		1.52		0.02	4.57	<0.2	820	0.94	0.06	0.58	0.05	33.2	3.6	10	2.16	5.7
CD045		1.75		0.03	4.59	<0.2	680	1.03	0.07	0.64	0.05	52.1	4.7	15	2.24	7.7
CD046		1.73		0.02	4.23	<0.2	620	1.13	0.04	0.41	0.04	27.9	2.7	3	3.84	3.6
CD047		2.00	94.5	0.03	4.56	<0.2	570	1.33	0.07	0.42	0.04	28.4	3.3	8	4.35	4.2
CD048		1.98		0.03	5.01	<0.2	610	1.58	0.07	0.58	0.03	20.5	3	9	4.25	5.4
CD049		1.80		0.02	4.81	<0.2	660	1.41	0.08	0.5	0.03	24.7	2.2	4	3.53	3.3
CD050		1.85		0.02	5.05	<0.2	810	1.29	0.03	0.52	0.03	27.4	1.6	3	2.14	2.5
CD051		1.59		0.02	4.78	<0.2	810	1.08	0.01	0.46	0.04	138	1.9	4	1.28	3.9
CD052		1.62		0.02	4.83	<0.2	850	1.13	0.02	0.51	0.04	122	2.3	4	1.6	3.2
CD053		1.59		0.02	4.92	<0.2	940	0.9	0.03	0.57	0.02	73.4	3.5	10	1.81	5.3
CD054		1.64		0.02	4.61	<0.2	760	0.9	0.02	0.4	0.03	77.4	2	5	1.58	4.5
CD055		1.59		0.02	5.21	<0.2	960	0.99	0.03	0.71	0.02	62.1	3.5	12	1.79	5.5
CD056		1.51		0.02	5.23	<0.2	960	1.01	0.03	0.73	0.03	47.8	3.4	8	1.63	5.3
CD057		1.57		0.02	5.15	<0.2	860	1.15	0.03	0.72	0.02	326	4.1	13	1.79	10.2
CD058		1.22		0.02	4.93	<0.2	750	1.34	0.03	0.56	0.02	22.6	1.7	3	2.11	3.1
CD059		1.34		0.02	4.55	<0.2	850	0.94	0.02	0.46	0.02	34.8	2.1	10	1.55	3
CD060		1.57		0.03	4.78	<0.2	750	1.06	0.02	0.51	<0.02	156.5	3.6	14	1.95	7.6
CD061		1.86		0.02	4.78	<0.2	1010	0.83	0.01	0.66	0.02	32.3	3.8	16	1.97	6.1
CD062		1.77		0.04	4.37	<0.2	580	0.93	0.08	0.96	0.03	50.3	5.5	20	1.93	6.3
CD063		1.60		0.04	4.66	<0.2	420	0.86	0.07	1.08	0.06	82.2	8.7	36	2.04	9
CD064		1.72		0.05	5.29	<0.2	590	1.28	0.06	2.06	0.06	93.7	17.6	107	2.82	15.2
CD065		1.60		0.06	5.27	<0.2	660	1.27	0.06	2.06	0.07	55.3	16.1	62	2.76	13.8
CD066		1.28		0.03	4.82	<0.2	990	1.01	<0.01	0.78	0.02	81.8	4	18	1.59	7.2
CD067		2.03		0.02	4.52	<0.2	1080	0.79	<0.01	0.69	0.02	45.7	4.5	18	1.47	5.9
CD068		1.90		<0.01	4.63	<0.2	810	1	0.03	0.48	<0.02	51.6	2.8	12	1.72	3.5
CD069		1.88		<0.01	5.58	0.4	780	1.53	0.03	0.71	0.02	57.1	2.6	9	2.05	6.3
CD070		1.02		<0.01	4.68	0.2	820	0.91	0.02	0.48	<0.02	78.6	2	7	1.41	2.5
CD071		1.55		0.02	5.54	<0.2	760	1.64	0.01	0.72	0.02	33.4	2.2	8	2.99	4.2
CD072		1.39		0.02	5.31	<0.2	610	1.61	0.02	0.57	<0.02	22	2.3	9	3.08	6.2
CD073		1.88		0.02	4.58	<0.2	540	1.43	0.06	0.35	0.02	29.6	1.8	6	4.89	4
CD074		1.97		0.04	4.35	<0.2	460	1.78	0.7	0.31	0.02	21.6	2.3	6	6.02	4.5
CD075		1.94		0.06	4.16	0.4	430	1.48	0.53	0.25	0.03	46.8	2.8	9	6.49	37.5
CD076		1.84		0.03	4.55	<0.2	550	1.53	0.13	0.29	0.02	38.4	2.1	6	4.57	5.4
CD077		1.47		0.02	4.67	<0.2	900	1.01	0.02	0.71	0.02	55.9	5.6	21	2.06	8.1



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## CERTIFICATE OF ANALYSIS AS08068897

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
		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
CD038		1.89	13.9	0.12	1.9	0.029	2.56	34.6	9.4	0.37	312	0.18	1.31	5.2	10.6	210
CD039		1.35	10.15	0.11	1.3	0.015	3.05	31.8	6.5	0.17	235	0.57	1.07	3.3	3.8	160
CD040		1.21	9.7	0.1	1.3	0.014	3.22	22.3	5.9	0.18	191	0.35	0.96	3.1	3.6	150
CD041		4.03	15.65	0.17	2.9	0.058	2.65	31	14.9	1.38	666	0.47	0.76	9.8	30.5	250
CD042		1.61	11.85	0.15	1.8	0.02	3.07	49.7	8.7	0.3	254	0.81	0.95	4.5	5.9	180
CD043		1.93	12.1	0.24	2	0.022	2.91	95.9	9.6	0.35	410	0.41	0.84	4.7	7.4	230
CD044		1.32	10.7	0.1	1.4	0.018	3.07	16.2	7.6	0.24	185	0.43	0.88	3.9	5.3	140
CD045		1.7	11.6	0.12	1.8	0.026	3.13	24.4	9	0.31	252	0.75	0.76	4.9	7.6	160
CD046		1.15	9.75	0.09	1.2	0.016	3.2	13.1	11.4	0.15	178	0.4	0.77	5.2	2.1	70
CD047		1.55	10.85	0.11	1.6	0.019	3.44	12.4	12.7	0.15	209	0.44	0.76	6.9	3.5	80
CD048		1.3	11.4	0.09	1.4	0.02	3.64	7.4	11.5	0.17	177	0.72	0.99	4.9	4.8	70
CD049		1	10.9	0.1	1.3	0.014	3.25	11	11.1	0.13	148	0.29	1.08	4.5	2.4	60
CD050		0.95	10.65	0.1	1	0.013	3.33	13.1	6.9	0.1	138	0.38	1.26	3.4	2.1	80
CD051		1	11	0.19	1.4	0.015	2.99	66.5	4.4	0.12	142	0.53	1.22	3.2	2.2	150
CD052		1.18	11.45	0.17	1.3	0.016	2.87	59.1	7.3	0.14	143	0.25	1.12	3.9	2.5	200
CD053		1.4	11.7	0.13	1.7	0.017	2.9	35.8	7.5	0.22	190	0.41	1.02	4.4	5	160
CD054		1.07	10.6	0.14	1.3	0.014	3.06	37.3	5.6	0.11	112	0.53	1.02	3.4	2.4	130
CD055		1.45	11.3	0.13	1.5	0.017	3.06	30.7	7	0.25	217	1.23	1.11	3.9	5	190
CD056		1.27	12.15	0.12	1.4	0.015	3.16	23.8	6.5	0.2	175	0.38	1.18	3.8	4.4	130
CD057		1.62	13.9	0.34	2.2	0.016	2.96	158.5	7.6	0.21	273	0.79	1.12	4.2	6.3	280
CD058		0.81	11.05	0.09	1	0.011	3.08	10.7	7.8	0.09	130	0.43	1.24	3.5	2.9	60
CD059		0.99	10.3	0.11	1.2	0.014	3	17.1	5.9	0.13	125	0.98	1.02	3.4	7.1	110
CD060		1.43	12.4	0.27	1.7	0.021	2.5	80.1	7	0.21	217	0.54	1.01	4.9	7.2	210
CD061		1.27	10.65	0.12	1.5	0.017	1.74	17.8	6.5	0.3	176	0.3	0.94	3.4	8	120
CD062		1.78	10.9	0.16	1.8	0.029	1.88	24.7	8.1	0.4	313	0.34	0.56	5.1	8.2	180
CD063		2.82	12.9	0.21	2.3	0.047	2.03	39.8	8.9	0.68	557	0.71	0.57	7.2	13	240
CD064		4.21	14.9	0.23	1.9	0.055	1.76	45.7	10.7	1.61	775	0.36	0.71	8.3	35.7	230
CD065		3.87	14.25	0.2	1.7	0.049	1.71	26	10.7	1.44	678	0.31	0.71	7.6	27.3	230
CD066		1.39	11.2	0.19	1.8	0.015	3	42.7	6.4	0.31	201	0.57	0.96	3.3	8.8	150
CD067		1.35	10.35	0.16	1.4	0.016	1.97	24.4	5.4	0.31	190	0.32	0.87	4	8.5	110
CD068		1.08	11	0.19	1.3	0.018	2.96	29	6.2	0.16	174	0.09	1.03	3.6	7.6	130
CD069		1.47	12.85	0.23	1.5	0.013	3.38	32.2	9.4	0.11	216	0.48	1.35	5	4.8	100
CD070		0.92	10.6	0.25	1.3	0.013	3.05	41	5.7	0.12	127	0.1	1.04	3.3	3	150
CD071		1.21	12.7	0.13	1.4	0.013	1.93	17.3	10.3	0.11	189	0.47	1.31	4.7	3.8	80
CD072		1.29	12.05	0.11	1.3	0.018	1.74	10.5	10.3	0.13	190	0.62	1.28	5.4	4	60
CD073		1.13	10.95	0.11	1.3	0.025	1.4	14.5	11.1	0.11	186	0.34	0.85	6.6	3.6	60
CD074		1.19	10.85	0.1	1.2	0.024	2.02	10.8	14.6	0.15	187	0.27	0.86	6	3.9	80
CD075		1.45	10.95	0.15	1.6	0.029	2.15	21.5	15.8	0.18	226	0.72	0.69	8.2	5.1	90
CD076		1.33	11.2	0.13	1.6	0.033	1.87	19	12.3	0.16	189	0.29	0.84	7.1	2.9	80
CD077		1.74	11.55	0.15	1.7	0.024	1.3	29.2	7	0.39	253	0.38	0.84	5.3	9.7	130



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## CERTIFICATE OF ANALYSIS AS08068897

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	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	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
CD038		24.2	130	<0.002	<0.01	<0.05	5.7	1	2.1	232	0.51	<0.05	18.3	0.148	0.55	2.5
CD039		28	120	<0.002	<0.01	0.08	2.9	1	1.4	220	0.3	<0.05	18.2	0.078	0.51	2.1
CD040		27	127	<0.002	<0.01	<0.05	3	1	1.2	200	0.27	<0.05	13	0.078	0.54	1.6
CD041		22.3	166	<0.002	<0.01	0.06	17.9	2	2.7	107.5	0.85	<0.05	32.5	0.325	0.77	3.4
CD042		29.4	148	<0.002	<0.01	0.08	4.5	1	1.6	197	0.39	<0.05	32.2	0.106	0.65	3.2
CD043		30.8	141.5	<0.002	<0.01	0.08	6.4	2	1.7	188	0.42	<0.05	62.5	0.134	0.63	5.6
CD044		27.9	141	0.002	<0.01	<0.05	3.9	1	1.3	182	0.33	<0.05	9.6	0.086	0.62	1.4
CD045		30.9	173.5	0.002	<0.01	0.08	5.3	1	1.9	147.5	0.4	<0.05	18.5	0.112	0.8	2.1
CD046		18.2	169.5	<0.002	<0.01	<0.05	3.1	1	1.3	78.4	0.57	<0.05	8.7	0.076	0.71	2.2
CD047		20.4	184	<0.002	<0.01	0.05	3.6	1	1.7	74.2	0.79	<0.05	10.2	0.096	0.77	3.1
CD048		22.6	192.5	<0.002	<0.01	0.08	3.8	1	1.9	75.9	0.54	<0.05	6.1	0.081	0.8	2.1
CD049		19.5	167.5	<0.002	<0.01	<0.05	2.7	1	1.3	101.5	0.54	<0.05	8.3	0.064	0.69	1.9
CD050		18.1	146	<0.002	<0.01	<0.05	2.3	1	1.1	121.5	0.34	<0.05	6.7	0.053	0.58	1.2
CD051		17.4	123	<0.002	<0.01	0.06	2.7	1	1.3	122	0.27	<0.05	29.2	0.066	0.47	2.4
CD052		19.9	124	<0.002	<0.01	<0.05	2.9	1	1.6	163.5	0.34	<0.05	28.2	0.082	0.51	2.5
CD053		28.4	123.5	<0.002	<0.01	<0.05	3.8	1	1.2	229	0.37	<0.05	21.1	0.097	0.54	2.5
CD054		21.1	128.5	<0.002	<0.01	0.08	2.2	1	1.6	137.5	0.3	<0.05	20.4	0.057	0.53	1.9
CD055		28.5	127	<0.002	<0.01	<0.05	3.8	1	1.2	251	0.33	<0.05	18.5	0.1	0.56	1.9
CD056		32.3	134.5	<0.002	<0.01	<0.05	3.4	1	1	262	0.3	<0.05	15.2	0.082	0.59	1.7
CD057		36	136.5	<0.002	<0.01	0.08	4.1	2	1.4	254	0.34	<0.05	112	0.101	0.6	7.8
CD058		18.7	145	<0.002	<0.01	<0.05	1.9	1	0.9	141	0.35	<0.05	6	0.046	0.6	1.2
CD059		21.9	124.5	<0.002	<0.01	<0.05	2.5	1	1.2	168.5	0.29	<0.05	9	0.062	0.53	1.2
CD060		22.9	117	0.002	<0.01	0.08	4	1	2.1	149.5	0.48	<0.05	34.6	0.11	0.59	3.8
CD061		31.3	87.7	0.002	<0.01	<0.05	3.9	1	1.1	255	0.29	<0.05	9.1	0.089	0.55	1.2
CD062		39.5	124.5	<0.002	<0.01	<0.05	6	1	1.6	114	0.41	<0.05	15.2	0.129	0.91	1.8
CD063		36.8	149.5	<0.002	<0.01	0.08	11	1	2.3	77.1	0.6	<0.05	29.7	0.206	0.95	3.3
CD064		19.6	110.5	0.002	<0.01	0.05	18.7	1	2.3	128.5	0.74	<0.05	26	0.327	0.58	2.4
CD065		21	107	<0.002	0.01	0.05	17.5	1	2.2	128	0.71	<0.05	13.3	0.285	0.6	1.5
CD066		34.1	119	<0.002	<0.01	0.07	4	1	1.1	261	0.25	<0.05	25.9	0.087	0.63	2.2
CD067		24.8	84.5	<0.002	<0.01	<0.05	4.3	1	0.8	226	0.3	<0.05	12.9	0.101	0.47	1.1
CD068		25.8	132.5	0.002	0.01	0.05	3	1	1.8	149.5	0.33	<0.05	13.3	0.064	0.58	1.8
CD069		26.6	158.5	0.003	0.01	0.09	2.5	1	1.4	148.5	0.44	<0.05	20.1	0.075	0.7	2.6
CD070		26.8	122	0.003	0.01	<0.05	2.5	1	1.3	154.5	0.29	<0.05	22.3	0.061	0.53	2.2
CD071		20.3	110	<0.002	<0.01	<0.05	2.2	1	1.1	139	0.56	<0.05	9.4	0.071	0.69	1.6
CD072		19.8	107.5	<0.002	<0.01	0.08	2.7	1	1.7	104	0.65	<0.05	6.8	0.072	0.7	1.8
CD073		25.1	96.9	<0.002	<0.01	<0.05	3.4	1	2.6	53.4	0.86	<0.05	11.8	0.078	0.87	2.5
CD074		24.5	134.5	<0.002	<0.01	0.05	3.6	1	2.7	40.9	1.16	<0.05	7.5	0.076	0.88	2
CD075		23.4	156.5	<0.002	<0.01	0.1	4.5	1	3.5	34.4	1.57	<0.05	14	0.092	0.93	2.7
CD076		22.3	90.7	<0.002	<0.01	<0.05	4.2	1	3.2	51.5	0.94	<0.05	11.9	0.09	0.8	2.4
CD077		23.9	71.7	<0.002	<0.01	<0.05	5.9	1	1.4	201	0.43	<0.05	18.3	0.134	0.55	1.8





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Finalized Date: 16-JUN-2008

Account: WEDES

Project: Alice Springs

## CERTIFICATE OF ANALYSIS AS08068897

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
CD038		32	0.4	12.1	26	64
CD039		15	0.3	9.6	17	43
CD040		16	0.6	7.8	17	45.7
CD041		93	1.1	23	54	89.8
CD042		22	1.5	13.3	23	60.4
CD043		33	1.3	26.5	25	64.9
CD044		19	0.5	6.2	18	48.1
CD045		25	0.9	10.2	27	57.6
CD046		14	0.5	6.8	15	39.1
CD047		19	0.7	9.9	18	50.6
CD048		15	1	7.5	16	45.2
CD049		12	0.7	7.6	14	41.4
CD050		9	0.3	5.1	12	33.8
CD051		10	0.2	11.8	14	46.4
CD052		15	0.2	14.1	17	43.1
CD053		19	0.3	9.6	19	59.1
CD054		11	0.2	10.1	14	42.1
CD055		20	0.3	8.7	20	51.1
CD056		17	0.3	6.8	17	50.2
CD057		22	0.4	30.7	19	75.5
CD058		9	0.2	5.3	12	35.6
CD059		11	0.2	5.8	14	41.5
CD060		19	0.4	18	20	54.8
CD061		21	0.3	5.6	16	48.1
CD062		30	0.3	11.9	34	53.5
CD063		51	0.8	22.3	57	68.1
CD064		97	1.5	23	53	60.5
CD065		90	0.5	19.1	51	51.9
CD066		21	0.3	9.6	18	59
CD067		23	0.2	6.8	17	46.9
CD068		13	0.2	7.8	17	42.8
CD069		20	0.2	11.4	17	51.9
CD070		11	0.2	11.9	15	43.3
CD071		16	0.3	7.2	14	47.1
CD072		15	0.4	7.8	15	41.4
CD073		11	0.7	17.9	17	39.1
CD074		12	1	8	17	35.4
CD075		14	1.5	15.1	20	43.5
CD076		13	0.9	12.4	20	46.6
CD077		33	0.3	9.2	23	54.8



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## CERTIFICATE OF ANALYSIS AS08068897

Sample Description	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
		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
CD078		1.36		0.02	4.71	<0.2	1040	0.87	0.03	0.73	0.02	41.9	5.6	23	1.69	7.1
CD079		1.67		0.03	4.32	<0.2	800	0.86	0.08	0.7	0.05	40.3	7.8	40	2.64	12
CD080		1.44		0.02	4.91	<0.2	840	1.26	0.01	0.51	0.02	90.1	2.3	16	2.26	6
CD081		1.82		0.02	4.25	<0.2	750	0.9	0.06	0.74	0.03	33.6	6.2	23	2.17	7.4
CD082		1.65		0.03	4.72	<0.2	720	1.07	0.03	0.48	0.02	51.3	5	22	3.02	8.4
CD083		1.88		0.08	4.88	<0.2	780	1.47	0.04	1.22	0.04	42.1	9.3	31	2.58	9.9
CD084		1.49		0.05	4.68	<0.2	720	1.35	0.04	1.24	0.05	44.6	9.7	31	2.45	9.7
CD085		1.66		0.06	5.26	<0.2	660	1.44	0.08	1.93	0.07	84.5	14.4	52	2.43	13.7
CD086		2.00		0.05	5.27	0.3	840	1.57	0.07	1.45	0.05	71.4	10.2	32	2.91	11.1
CD087		1.91	96.5	0.08	5.36	0.2	730	1.47	0.09	2	0.06	66.6	15.9	54	2.79	12.2
CD088		1.43		0.07	5.29	<0.2	830	1.61	0.08	1.62	0.05	58.1	11.9	43	2.75	9
CD089		1.57		0.05	4.38	0.2	560	1.61	0.89	0.53	0.04	34	4	12	5.58	7.8
CD090		1.78		0.05	4.34	<0.2	500	1.79	0.69	0.48	0.03	30.4	3.2	9	5.78	4.4
CD091		1.80		0.03	4.95	<0.2	460	1.99	0.68	0.36	0.05	49.2	3	11	5.05	6.6
CD092		1.48		0.03	4.31	<0.2	680	0.99	0.02	0.42	0.03	44.8	4.2	15	2.52	8.7
CD093		1.86		0.03	4.25	<0.2	830	1.01	0.02	0.71	0.03	42	6	22	2.2	7.7
CD094		1.60		0.03	4.46	<0.2	630	2.25	1.09	0.54	0.03	29.7	3.8	14	5.18	5.7
CD095		1.47		0.03	3.81	<0.2	550	1.59	0.56	0.47	0.04	26.4	3.5	9	5.12	7
CD096		1.91		0.02	4.93	<0.2	550	1.18	0.06	0.51	0.03	53.2	7.5	35	3.43	9.8
CD097		1.75		0.01	4.84	<0.2	820	1.02	0.07	1.08	0.05	38.9	8.5	36	2.27	10.7
CD098		1.68		0.02	4.44	<0.2	860	0.85	0.04	0.82	0.04	38	7.8	29	2.48	11.6
CD099		1.60		0.01	4.58	<0.2	750	1.13	0.09	1.46	0.05	35.5	12	41	2.36	10.4
CD100		1.47		0.03	5.17	<0.2	780	1.42	0.12	1.81	0.06	45.5	12.4	40	2.6	9.6
CD101		1.97		0.04	5.1	0.2	910	1.31	0.12	1.18	0.06	74.5	7.4	13	2.23	6.7
CD102		1.87		0.06	4.46	<0.2	780	0.79	0.04	0.68	0.04	85.7	9.3	40	3.07	13
CD103		1.89		0.06	4.7	<0.2	830	1.06	0.1	1.01	0.05	42.4	7.5	22	2.31	5.9
CD104		1.78		0.07	5.29	<0.2	910	1.52	0.13	1.59	0.07	64.9	9.3	11	2.22	6.7
CD105		1.71		0.03	4.97	<0.2	950	1.41	0.1	0.96	0.04	50.6	6.4	9	2.68	4.5
CD106		1.83		0.04	5.49	<0.2	680	1.78	0.13	1.52	0.07	43.6	9.5	15	2.68	7.9
CD107		1.69		0.07	5.89	<0.2	590	1.62	0.13	1.75	0.1	65.9	13.5	25	2.35	11.2
CD108		1.59		0.04	5.3	<0.2	1010	1.43	0.11	1.38	0.05	55.3	7.4	11	2.76	4.2
CD109		1.96		0.02	4.77	<0.2	540	1.36	0.1	2.12	0.07	46	20	80	2.47	18.7
CD110		2.04		0.03	4.87	<0.2	860	1.34	0.2	1.55	0.07	53.1	14	124	3.25	13.5
CD111		1.63		0.03	4.76	<0.2	990	1.38	0.11	1.05	0.06	52.2	7.2	10	2.96	3.9
CD112		1.73		0.04	5.14	<0.2	910	1.24	0.04	0.62	0.03	117.5	5.2	24	2.42	8
CD113		1.85		0.03	5.47	<0.2	1430	1.5	0.04	0.87	0.03	140	7.6	31	1.75	10.3
CD114		1.94		0.06	5.3	<0.2	960	1.32	0.07	0.61	0.03	333	5.8	21	1.93	8.9
CD115		1.96		0.03	5.39	<0.2	980	1.67	0.03	0.83	0.03	95.3	5.4	20	1.44	6.1
CD116		1.90		0.03	4.45	<0.2	820	0.92	0.05	1.15	0.05	82	12.5	50	2.43	16.2
CD117		1.93		0.02	5.05	<0.2	990	1.3	0.06	1.01	0.05	58.3	9.8	37	3.07	11.4



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## CERTIFICATE OF ANALYSIS AS08068897

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
		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
CD078		1.56	10.7	0.14	1.6	0.016	2.66	21.8	5.5	0.37	242	0.29	0.9	3.7	10.1	100
CD079		1.94	11.05	0.15	1.3	0.025	1.92	21.3	7.4	0.55	238	1.77	0.71	5.1	21.3	110
CD080		1.08	11.35	0.18	1.4	0.015	1.38	47.4	7.1	0.13	183	0.54	1.13	3.8	4.8	150
CD081		1.83	10.3	0.14	1.6	0.026	1.72	17.4	7.2	0.44	290	0.24	0.66	4.8	10.6	120
CD082		1.62	11.8	0.15	1.6	0.028	1.81	25.9	9.7	0.3	224	1.65	0.81	6.5	14.2	130
CD083		2.46	12.75	0.16	1.2	0.036	2.09	20.1	9.9	0.68	390	0.55	0.75	7.4	15.3	240
CD084		2.75	12.65	0.17	2	0.038	1.65	21.5	9.8	0.7	449	0.29	0.7	6.9	13.7	190
CD085		3.99	14.6	0.22	2.1	0.055	1.66	41.3	9.7	1.12	755	1.46	0.84	8.3	21.8	280
CD086		3.36	14.15	0.2	2	0.05	1.69	32.4	12.5	0.76	477	0.67	0.62	10.2	14.5	390
CD087		4.44	14.85	0.19	2	0.061	1.91	29.4	13.4	1.21	682	0.42	0.68	11.1	22.4	580
CD088		3.74	14.35	0.2	2.8	0.054	1.82	23	10.7	0.8	561	1.65	0.74	12.3	20.4	460
CD089		1.6	10.8	0.14	1.2	0.025	1.98	15.5	14.8	0.22	294	0.69	0.81	7.5	8.2	120
CD090		1.41	10.3	0.13	1.3	0.021	2.13	13.6	14.5	0.17	278	0.25	0.75	7.4	5.4	110
CD091		1.31	12.4	0.15	1.6	0.033	1.68	22.6	16.8	0.2	197	1.75	1.09	7.6	11.5	90
CD092		1.53	10.7	0.15	1.4	0.025	1.73	22	7.1	0.23	237	0.58	0.71	6.1	7.9	130
CD093		1.81	10.45	0.16	1.6	0.024	1.85	21.1	7.4	0.41	277	0.3	0.66	5.2	9.9	130
CD094		1.5	9.84	0.11	1.2	0.022	1.93	12.8	14.9	0.21	252	1.64	0.76	6.4	10.5	120
CD095		1.5	9.21	0.08	1.3	0.022	1.94	11.2	12.1	0.18	227	0.61	0.63	9.3	6.1	100
CD096		2.44	14.05	0.12	2	0.04	1.81	26.7	14.5	0.5	307	0.27	0.62	8.3	15.8	170
CD097		2.28	11.7	0.11	1.7	0.027	2.07	18.9	9	0.6	362	1.47	0.9	5.1	19.7	160
CD098		2.33	11.2	0.11	1.6	0.025	1.66	19	9.3	0.57	368	0.62	0.69	6.2	14.4	140
CD099		2.99	11.9	0.11	1.4	0.04	1.75	16.3	8.9	0.88	506	0.23	0.72	5.9	17.8	160
CD100		3.31	13.5	0.13	1.6	0.045	1.93	19.4	10.4	0.87	515	1.61	0.8	9.2	21.8	390
CD101		3.07	13.4	0.16	2.5	0.052	2.2	31.9	9.9	0.38	507	0.62	0.67	13.2	5.7	370
CD102		3	12.4	0.16	1.7	0.034	1.82	43.9	9.5	0.71	566	0.39	0.58	7.1	17.8	170
CD103		2.4	11.2	0.11	1.8	0.038	1.65	17	9	0.45	395	1.3	0.55	7.8	12.8	200
CD104		4.28	15.25	0.16	2.3	0.083	1.95	25.3	10.5	0.49	806	0.67	0.71	14.5	6	400
CD105		2.49	12.6	0.11	1.9	0.052	1.54	19.4	10.7	0.31	414	0.32	0.64	10.4	4.9	270
CD106		3.62	14.85	0.13	1.5	0.067	1.84	17.1	12.3	0.55	729	1.49	0.7	10.3	13.5	460
CD107		5.61	16.6	0.17	2.6	0.071	1.57	30.1	11.3	0.81	1330	0.57	0.61	15.6	10.9	670
CD108		2.75	13.65	0.14	2.2	0.045	2.26	21	10.8	0.44	424	0.43	0.76	11.7	4.8	370
CD109		4.33	13.75	0.13	1.8	0.052	1.52	21	12.3	1.48	715	1.56	0.76	7.2	37.6	270
CD110		3.54	12.85	0.14	1.9	0.043	2.11	21.9	12.2	1.16	541	0.54	0.61	8.3	33.4	260
CD111		3.44	13.55	0.13	1.7	0.046	1.85	19.6	11.1	0.35	432	0.41	0.65	10	4.4	310
CD112		1.69	12.7	0.16	1.9	0.024	1.7	61.7	10.6	0.33	221	1.69	0.88	6.7	15.7	240
CD113		2.26	14	0.19	1.7	0.025	1.07	72	8.7	0.52	283	0.64	0.96	7.3	16.9	330
CD114		1.95	14.4	0.31	2.5	0.024	1.5	177.5	7.9	0.33	244	0.53	0.89	7	10.7	350
CD115		1.81	13.15	0.16	1.7	0.021	1.96	49.5	7.4	0.31	195	1.45	1.05	5.7	14.9	460
CD116		3.42	12.1	0.16	2.1	0.035	1.72	42	8.3	0.9	548	0.55	0.61	7	22	220
CD117		2.94	13.1	0.13	2.4	0.035	1.76	27.3	11.8	0.68	435	0.32	0.72	9.1	16.6	230



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Project: Alice Springs

## CERTIFICATE OF ANALYSIS AS08068897

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	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	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
CD078		27.1	97.9	<0.002	<0.01	<0.05	4.8	1	0.9	234	0.27	<0.05	11.3	0.109	0.51	1.1
CD079		23.9	97.4	<0.002	<0.01	0.06	7	1	1.6	158	0.41	<0.05	10.2	0.15	0.54	1.1
CD080		22.5	86.9	<0.002	<0.01	0.08	2.7	1	1.5	156.5	0.38	<0.05	22.5	0.065	0.63	2.4
CD081		25.5	93.2	<0.002	<0.01	0.06	6.8	1	1.4	139.5	0.38	<0.05	10.9	0.136	0.61	1.2
CD082		22.7	107	<0.002	<0.01	<0.05	5.2	1	2.4	129	0.62	<0.05	14.2	0.123	0.69	2.2
CD083		22.6	129.5	<0.002	<0.01	0.11	10.4	1	2	122	0.59	<0.05	9.5	0.208	0.71	0.9
CD084		21.6	102	<0.002	<0.01	0.06	11.6	1	1.8	119.5	0.55	<0.05	12.5	0.222	0.65	1.3
CD085		21.1	97.1	<0.002	<0.01	0.07	18.4	1	2.2	140.5	0.72	<0.05	20.7	0.325	0.55	2.3
CD086		28.1	115.5	<0.002	0.01	0.11	12.4	2	2.6	160	0.87	<0.05	12.2	0.346	0.86	1.8
CD087		26	115.5	<0.002	<0.01	0.07	17.4	1	2.7	147	0.99	<0.05	11.5	0.429	0.72	1.8
CD088		26.5	112	<0.002	<0.01	0.07	13.1	1	3	141	1.13	<0.05	10	0.427	0.78	1.8
CD089		20.4	123.5	<0.002	<0.01	0.11	5.2	1	2.1	49	1.77	<0.05	7.9	0.117	0.71	1.7
CD090		19.8	139.5	<0.002	<0.01	0.1	4.2	1	1.8	42.1	2.19	<0.05	7.6	0.094	0.8	1.3
CD091		23.3	111	<0.002	<0.01	0.05	4.8	1	3.4	49.4	1.15	<0.05	14.5	0.095	0.81	2.6
CD092		26.9	111.5	<0.002	<0.01	0.08	4.6	1	2	113	0.52	<0.05	12.2	0.096	0.69	2
CD093		24.9	96.5	<0.002	<0.01	<0.05	6.3	1	1.3	146	0.41	<0.05	12.1	0.129	0.57	1.4
CD094		18.1	55.9	<0.002	<0.01	0.09	4.8	1	1.9	48.4	1.46	<0.05	5.8	0.109	0.71	1.2
CD095		14.8	116.5	<0.002	<0.01	0.14	4.4	1	2	51.5	4.15	<0.05	6.5	0.098	0.64	1.3
CD096		16.2	123.5	<0.002	<0.01	0.05	7.2	1	4.8	95.5	0.8	<0.05	13.4	0.188	0.7	2.2
CD097		21.7	93.1	0.002	<0.01	<0.05	8.8	1	1.9	187	0.43	<0.05	12.9	0.176	0.55	1.2
CD098		21.2	98.8	0.003	<0.01	0.07	8	1	1.6	164	0.44	<0.05	10.6	0.171	0.57	1.1
CD099		17.8	86.7	<0.002	<0.01	<0.05	13	1	1.9	133	0.48	<0.05	6.9	0.224	0.51	0.8
CD100		21	103	<0.002	0.01	0.07	12.8	1	2.4	159	0.78	<0.05	8.1	0.322	0.64	1.4
CD101		23.6	120	0.002	<0.01	0.1	11.3	2	3.4	128.5	1.17	<0.05	17.3	0.406	0.74	1.9
CD102		20.6	98.3	0.002	<0.01	<0.05	9.5	1	1.8	154	0.56	<0.05	21.5	0.204	0.6	2
CD103		23.2	107	0.002	<0.01	0.07	9.3	1	2.4	117	0.71	<0.05	8.7	0.244	0.77	1.3
CD104		21.5	118	0.003	<0.01	0.08	20.5	2	4.6	135.5	1.21	<0.05	12.1	0.411	0.72	2.1
CD105		23.5	84.6	0.002	<0.01	0.05	10.7	1	3.6	118.5	0.94	<0.05	8.3	0.275	0.72	1.7
CD106		21.3	109	<0.002	<0.01	0.05	19.9	2	3.6	136.5	0.88	<0.05	6.9	0.321	0.71	1.2
CD107		18.1	96.4	0.002	<0.01	0.09	25.1	2	3.5	129.5	1.36	<0.05	15.4	0.631	0.59	2
CD108		25.8	127	<0.002	<0.01	0.06	9.9	1	3.1	163.5	1.01	<0.05	10	0.314	0.86	2.1
CD109		12.7	79.3	0.002	0.01	<0.05	18.5	1	2.4	141.5	0.58	<0.05	8.8	0.331	0.48	1.1
CD110		21.9	119.5	0.002	<0.01	0.08	13.5	1	3	145	0.74	<0.05	10.5	0.284	0.75	1.6
CD111		25.9	105	<0.002	<0.01	0.05	9.4	1	3.3	139	0.9	<0.05	8.8	0.274	0.78	1.8
CD112		30.8	100	<0.002	<0.01	<0.05	4.9	1	1.9	194	0.51	<0.05	35.7	0.138	0.81	3.4
CD113		38.4	81.3	<0.002	<0.01	0.07	6	1	1.5	366	0.54	<0.05	33.9	0.163	0.8	2.7
CD114		35.9	83.5	0.002	<0.01	<0.05	4.9	2	1.7	190.5	0.49	<0.05	95.7	0.18	0.8	5.3
CD115		30	92.5	0.003	<0.01	<0.05	4.4	1	1.8	242	0.43	<0.05	24.6	0.14	0.69	1.8
CD116		17.1	86.5	<0.002	<0.01	0.06	11.5	1	1.9	161	0.52	<0.05	19.4	0.271	0.53	1.4
CD117		22	86.5	<0.002	<0.01	<0.05	9.6	1	2.3	184	0.73	<0.05	13.3	0.26	0.67	1.4



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## CERTIFICATE OF ANALYSIS AS08068897

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
CD078		29	0.3	6.2	19	54.1
CD079		40	0.7	6.3	26	44.8
CD080		12	0.3	10.8	14	45.1
CD081		37	0.4	7.7	24	48.6
CD082		26	0.7	9.8	25	50.4
CD083		49	0.4	13.4	33	37.5
CD084		59	0.4	13.8	35	60.8
CD085		95	0.9	23.8	49	67.3
CD086		66	0.6	20.1	43	60.4
CD087		102	0.7	23.6	55	61
CD088		83	1	22.3	45	90.3
CD089		20	1.6	11	20	37.4
CD090		17	1.5	10	16	36.8
CD091		14	2.9	10.8	18	45.7
CD092		21	0.4	9.5	21	42.6
CD093		32	0.3	8.5	22	51.6
CD094		20	1.4	10	19	36.2
CD095		17	2.2	9	18	41.2
CD096		39	0.5	11.7	39	68.5
CD097		46	0.6	10.4	30	54.8
CD098		41	0.3	8.1	31	53.9
CD099		70	0.3	13	39	44.2
CD100		73	0.8	18.4	45	51.6
CD101		60	0.9	28.7	39	77.8
CD102		52	0.3	15.6	38	57.3
CD103		42	0.8	16.4	33	57
CD104		67	1.1	39.2	53	74.5
CD105		38	0.5	23.3	34	59.4
CD106		47	0.9	24	57	49.7
CD107		74	1.1	32.4	73	89.5
CD108		49	0.6	21.3	38	70.6
CD109		104	0.8	17.9	55	60.2
CD110		83	0.6	15.8	42	61.4
CD111		68	0.7	17.9	39	52.5
CD112		26	0.6	15.6	26	65.6
CD113		39	0.3	13.7	28	61.5
CD114		34	0.4	23.1	28	88.8
CD115		32	0.4	12.5	23	57
CD116		74	0.4	14.9	40	73.6
CD117		58	0.4	14.3	37	80.2



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## CERTIFICATE OF ANALYSIS AS08068897

Sample Description	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
		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
CD118		1.85		0.05	4.79	<0.2	810	1.29	0.1	0.8	0.04	45.3	6.6	24	2.73	6
CD119		1.77		0.03	4.56	<0.2	900	0.97	0.06	1.2	0.05	80.1	9.3	40	2.06	12.2
CD120		1.97		0.02	4.73	<0.2	920	1.12	0.05	0.93	0.04	45.4	6.5	27	2.25	7.9
CD121		1.99		0.02	4.35	<0.2	640	1.06	0.06	0.36	0.03	57.4	5.1	24	3.03	7.5
CD122		1.87		<0.01	4.49	<0.2	1000	0.92	0.02	0.45	0.02	20.2	1.4	5	1.08	4.5
CD123		1.81		0.01	4.67	<0.2	820	1.13	0.04	0.63	0.04	75	2.9	9	1.89	5.4
CD124		1.92		0.08	4.32	<0.2	910	0.91	0.04	0.79	0.03	26.3	6	25	1.97	6.8
CD125		1.95		0.04	4.22	0.2	550	1.63	0.56	0.66	0.03	30.7	4	10	7.45	6.6
CD126		2.04		0.03	4.55	<0.2	580	1.69	0.69	0.7	0.04	31.9	3.8	10	4.21	4.7
CD127		1.86	94.7	0.02	4.26	<0.2	570	2.11	0.47	0.62	0.04	32.3	5.1	21	4.67	6.7
CD128		1.88		0.01	4.42	<0.2	810	0.85	0.04	0.56	0.03	41.2	3.3	12	1.72	6.2
CD129		1.74		0.01	4.55	<0.2	640	0.85	0.05	0.7	0.03	37.4	6.4	24	1.96	6.4
CD130		1.86		0.05	5	<0.2	670	1.68	0.06	0.6	0.06	28.3	4.3	13	3.74	5.2
CD131		1.91		0.03	4.89	<0.2	760	1.35	0.04	0.47	0.04	15.75	1.3	6	1.85	4.2
CD132		1.78		0.05	3.78	<0.2	380	1.46	0.62	0.22	0.06	31.1	2.1	12	5.13	4.5
CD133		1.89		0.06	4.38	<0.2	760	0.91	0.04	0.68	0.06	80.3	8.5	46	2.9	12.6
CD134		1.90		0.03	4.18	<0.2	750	0.96	0.04	0.52	0.05	30.1	2.7	29	1.56	5.8
HD001		1.72		0.04	4.83	<0.2	670	2.13	0.08	0.98	0.06	43.3	4.8	18	1.51	5.2
HD002		1.80		0.04	5.48	<0.2	550	2.18	0.07	1.53	0.06	44.7	9	32	1.45	7.5
HD003		1.95		0.03	5.48	<0.2	610	1.89	0.11	1.38	0.07	56.3	8.9	53	1.28	9.6
HD004		1.87		0.04	4.89	<0.2	660	1.98	0.08	1.1	0.06	43.7	6	23	1.38	5.4
HD005		1.73		0.05	5.25	<0.2	720	2.06	0.08	1.26	0.07	54.5	7.1	21	1.69	6.9
HD006		1.80		0.04	5.74	<0.2	750	2.03	0.08	1.84	0.08	29.4	10.1	36	1.36	7.9
HD007		1.89		0.05	5.9	<0.2	530	2.05	0.07	2.24	0.08	48	16.2	75	1.55	9.5
HD008		1.85		0.05	5.56	<0.2	620	2.21	0.06	1.36	0.06	55.3	9.8	43	1.75	9.5
HD009		1.80		0.06	6.66	<0.2	750	2.75	0.09	2.09	0.09	69.4	9.8	27	2.16	7.9
HD010		1.90		0.05	6.57	<0.2	560	2.07	0.09	2.54	0.09	40	14.4	50	1.36	8
HD011		1.85		0.05	6.4	<0.2	770	2.39	0.08	1.94	0.08	61.4	11.6	35	1.84	8.7
HD012		1.88		0.05	6.61	<0.2	750	2.39	0.09	2.3	0.09	51	11.6	36	1.78	8.2
HD013		1.94		0.05	6.19	<0.2	440	1.7	0.08	2.08	0.07	56.5	12.5	43	1.94	11.6
HD014		1.90		0.04	5.79	<0.2	640	2.03	0.09	1.59	0.08	46.8	10.2	39	1.8	10.1
HD015		1.58		0.04	5.6	<0.2	620	1.8	0.1	1.63	0.09	45.4	10.6	38	1.19	10.1
HD016		1.81		0.04	6.21	<0.2	810	2.04	0.06	1.48	0.07	52.4	8.7	34	1.36	6.9
HD017		1.75		0.03	6.23	<0.2	560	1.82	0.08	1.61	0.08	43.5	11.1	53	1.73	9.8
HD018		1.94		0.03	5.74	<0.2	790	2.21	0.04	0.41	0.05	103	2.1	9	2.41	4.4
HD019		1.93		0.04	5.36	<0.2	680	1.28	0.08	1.33	0.07	103.5	11	40	1.58	14.2
HD020		1.67		0.04	6.27	<0.2	860	2.29	0.07	1.38	0.07	38.3	6.7	18	1.78	5.1
HD021		1.90		0.03	6.32	<0.2	1050	1.45	0.05	1.67	0.06	44.6	9.8	25	1.27	11.4
HD022		1.83		0.03	5.87	<0.2	880	1.69	0.07	1.26	0.06	40.7	5.8	19	1.44	5.3
HD023		1.93		0.04	5.87	<0.2	730	1.54	0.06	1.51	0.07	39.5	11.9	49	1.92	13.2



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## CERTIFICATE OF ANALYSIS AS08068897

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
		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
CD118		1.87	11.3	0.1	1.9	0.029	2.11	19	9.9	0.39	301	1.55	0.68	10.2	13.8	190
CD119		2.63	11.15	0.15	1.5	0.028	1.74	40.4	7.8	0.63	580	0.53	0.81	4.5	16.6	180
CD120		1.81	11.25	0.13	1.6	0.022	1.9	22.5	8.8	0.5	272	0.24	0.88	4.8	12.8	170
CD121		1.68	10.6	0.12	1.7	0.03	1.77	27.5	10.1	0.28	220	1.56	0.55	5.7	14.3	150
CD122		0.8	9.35	0.08	1.1	0.008	1.19	11.1	5.3	0.07	121	0.47	1.23	1.9	2.7	120
CD123		1.23	10.35	0.15	1.3	0.014	1.65	38.7	6.9	0.18	257	0.19	1.11	3.3	4.3	160
CD124		1.6	9.62	0.1	1.1	0.019	2.03	12.9	7	0.42	234	1.37	0.73	4.1	15.2	130
CD125		1.62	10.65	0.11	1.5	0.024	1.84	13.2	22.2	0.25	282	0.51	0.73	7.9	5.6	110
CD126		1.49	11.15	0.11	1	0.023	1.89	14.9	15.6	0.21	258	0.22	0.95	5.9	6	120
CD127		1.6	10.45	0.11	1.1	0.026	1.73	13.9	14.6	0.29	238	1.83	0.89	6.3	17.1	120
CD128		1.25	9.56	0.1	1.3	0.014	1.72	21.5	6	0.2	200	0.56	0.93	3.2	5.8	120
CD129		1.99	11.25	0.13	2.6	0.026	1.93	17.7	8.3	0.44	294	0.36	0.57	6.1	10.3	130
CD130		1.23	11.5	0.12	1.4	0.017	3.1	10.4	15.6	0.18	242	1.51	1.04	5.9	9.3	90
CD131		0.85	9.84	0.09	1.1	0.009	3.14	7.7	6.6	0.08	117	0.52	1.18	2.7	3.2	60
CD132		1.29	9.34	0.1	1.3	0.022	2.86	13.3	16.7	0.15	204	0.4	0.67	7.6	5.8	60
CD133		2.91	12.25	0.17	1.8	0.031	2.24	41.3	11.1	0.68	547	1.56	0.61	6.8	22.3	160
CD134		1.1	9.17	0.1	1.3	0.012	2.66	16.4	6.2	0.18	173	0.69	0.91	3	10.3	100
HD001		1.71	11	0.13	1.4	0.024	2.44	22.7	10	0.33	268	0.18	0.91	4.6	7	270
HD002		2.38	13.55	0.14	1.5	0.036	2.36	23	11.5	0.59	383	1.36	0.98	5.7	16.8	360
HD003		2.44	13.35	0.16	1.5	0.031	2.09	28.9	10.3	0.74	400	0.51	1	4.8	22.3	250
HD004		1.92	11.6	0.13	1.3	0.026	2.46	23	9.9	0.42	304	0.2	0.89	4.5	9.4	270
HD005		2.16	13.5	0.15	1.7	0.032	2.69	28	10.6	0.41	340	1.26	1.02	7.3	13.8	310
HD006		2.57	13.75	0.13	1.4	0.034	2.61	15.1	10	0.71	435	0.43	1.27	5.3	17.4	200
HD007		3.58	14.55	0.17	1.9	0.042	2.43	22.9	11.5	1.44	587	0.29	1.03	8.2	25.1	370
HD008		2.57	14	0.16	1.7	0.035	2.44	28.3	12.1	0.74	375	1.19	0.96	6.5	17.6	330
HD009		3.53	17.45	0.19	4.8	0.05	2.72	32.5	13	0.64	544	0.61	1.35	12.9	12.5	650
HD010		3.57	15.95	0.16	1.5	0.047	2.36	18.8	10	1.16	606	0.26	1.44	8	22.4	420
HD011		3.62	16.95	0.19	2.4	0.052	2.88	28.6	12.6	0.8	562	1.27	1.18	11.6	18.8	590
HD012		3.54	16.3	0.17	2.4	0.05	2.83	22.8	11.1	0.84	575	0.59	1.31	10	15.5	500
HD013		3.52	15.45	0.16	2.8	0.044	2.17	29.1	12.2	0.99	558	0.32	1.23	7.2	21.6	290
HD014		2.68	14.55	0.15	1.6	0.039	2.68	22.6	12	0.73	422	1.32	1.05	8.6	21.3	360
HD015		2.83	13.3	0.15	2	0.033	2.81	23.6	9.1	0.77	509	0.51	1.05	6.2	17.5	310
HD016		2.35	14.55	0.16	2	0.029	3.42	27.8	8.3	0.65	378	0.24	1.27	5.4	16.2	260
HD017		2.61	14.4	0.15	1.7	0.033	3.01	21.6	11.7	0.84	473	1.36	1.23	5.7	28.7	330
HD018		1.29	14.2	0.18	3.1	0.013	3.95	58.5	8.7	0.15	164	0.43	1.25	6.3	3.6	170
HD019		3.38	14.35	0.22	3.4	0.034	2.09	53.9	11	0.59	479	0.3	1.05	6.9	17.4	390
HD020		2.8	14.75	0.15	2.3	0.031	3.18	18.2	10.4	0.32	323	1.56	1.37	7.9	11.8	300
HD021		2.68	13.9	0.14	1.1	0.029	2.67	23.7	9.3	0.72	439	0.42	1.51	5.1	17.2	260
HD022		2.31	13.15	0.14	1.3	0.026	2.96	20.8	8.8	0.34	340	0.29	1.28	5.5	7.7	280
HD023		2.89	13.95	0.14	1.4	0.032	2.33	20.8	13.9	0.82	481	1.26	1.36	4.9	26.7	270



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## CERTIFICATE OF ANALYSIS AS08068897

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	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	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
CD118		25.2	94.8	0.003	0.01	<0.05	7	1	3.2	116	1.13	<0.05	9.5	0.212	0.83	2.3
CD119		21	72.7	<0.002	<0.01	0.07	9.2	1	1.7	209	0.37	<0.05	19.7	0.169	0.44	1.5
CD120		22.5	95.1	<0.002	<0.01	<0.05	6.6	1	1.5	198	0.38	<0.05	11.5	0.134	0.54	1.2
CD121		19.1	78.1	<0.002	<0.01	<0.05	5.2	1	2.7	79.5	0.51	<0.05	13.3	0.13	0.64	1.9
CD122		19.6	61	0.003	<0.01	0.08	1.3	1	1	237	0.17	<0.05	4.9	0.031	0.44	0.8
CD123		20.9	93.6	0.003	<0.01	<0.05	3	1	1.4	192.5	0.31	<0.05	20.6	0.066	0.54	2.2
CD124		21.9	74.8	<0.002	<0.01	<0.05	5.6	1	1.3	165.5	0.33	<0.05	5.5	0.116	0.54	0.8
CD125		16.6	132.5	0.002	<0.01	0.13	5.1	1	2.7	53.5	1.69	<0.05	6.8	0.12	0.75	1.5
CD126		15.6	114.5	0.002	<0.01	0.08	4.8	1	1.9	63.4	0.84	<0.05	5.7	0.102	0.63	1
CD127		14	92.4	<0.002	<0.01	0.09	5.6	1	1.9	59.2	1.11	<0.05	6.6	0.12	0.56	1.1
CD128		22.5	83.4	<0.002	<0.01	0.07	3.3	1	1.3	166	0.3	<0.05	13.8	0.072	0.58	1.5
CD129		28.1	126.5	0.003	<0.01	<0.05	6.9	1	1.7	108.5	0.44	<0.05	30.8	0.153	0.92	2.4
CD130		20.9	168	<0.002	<0.01	0.06	3.5	1	1.7	103.5	0.6	<0.05	6.6	0.088	0.65	1.9
CD131		16.8	142.5	<0.002	<0.01	0.07	1.8	1	1.1	115.5	0.3	<0.05	4.1	0.042	0.5	0.8
CD132		19.5	184.5	<0.002	<0.01	0.05	3.7	1	2.9	31.8	1.35	<0.05	10.2	0.076	0.74	1.9
CD133		18.4	121.5	<0.002	<0.01	<0.05	9.4	1	1.8	147.5	0.57	<0.05	19.3	0.2	0.47	1.6
CD134		21.4	126.5	<0.002	<0.01	0.07	2.9	1	1.2	155.5	0.27	<0.05	10	0.064	0.49	1.2
HD001		20.5	121	<0.002	<0.01	<0.05	6	1	1.7	146.5	0.48	<0.05	10	0.129	0.47	1.1
HD002		17.3	127	<0.002	<0.01	0.29	10	1	2.5	167.5	0.53	<0.05	9.7	0.186	0.5	1
HD003		15.7	106.5	<0.002	<0.01	0.07	9.8	1	1.7	176.5	0.41	<0.05	12.3	0.165	0.4	1.1
HD004		19.8	120	<0.002	<0.01	<0.05	6.9	1	1.6	149.5	0.43	<0.05	10.3	0.14	0.47	1.1
HD005		19.8	140.5	0.002	<0.01	<0.05	8	1	2.1	161.5	0.68	<0.05	12.2	0.208	0.54	1.4
HD006		16.2	123	0.002	<0.01	0.07	11.1	1	1.7	178.5	0.55	<0.05	5.3	0.171	0.46	1
HD007		15.9	128	<0.002	<0.01	<0.05	16	2	2.3	148	0.69	<0.05	7.9	0.285	0.48	1
HD008		19.9	129.5	<0.002	<0.01	<0.05	10.2	1	2.1	158.5	0.56	<0.05	13.7	0.209	0.52	1.2
HD009		21.6	150.5	0.002	<0.01	0.06	13.2	2	3.3	183.5	1.07	<0.05	15.6	0.383	0.6	1.7
HD010		13.9	117.5	0.002	<0.01	<0.05	16.6	2	2.3	170.5	0.69	<0.05	5.5	0.305	0.44	0.8
HD011		18.8	154	0.002	<0.01	<0.05	14.4	2	3	176	0.89	<0.05	9.6	0.363	0.6	1.2
HD012		20.4	144.5	<0.002	<0.01	0.06	14.4	2	2.9	189.5	0.81	<0.05	8.1	0.334	0.56	1.2
HD013		13.2	123	<0.002	<0.01	<0.05	13.8	2	2.3	133	0.56	<0.05	15	0.26	0.48	1.2
HD014		19.6	144.5	<0.002	<0.01	<0.05	11.1	1	2.3	155	0.75	<0.05	8.6	0.254	0.57	1.3
HD015		20.6	136	<0.002	<0.01	0.07	11.1	1	1.7	141.5	0.5	<0.05	10.9	0.216	0.53	1.5
HD016		25.7	171.5	<0.002	<0.01	<0.05	9.1	1	1.4	183.5	0.43	<0.05	13.5	0.172	0.69	1.8
HD017		17.8	165.5	0.002	<0.01	0.05	11.3	1	1.7	120.5	0.45	<0.05	9.9	0.203	0.62	1.8
HD018		83	238	<0.002	<0.01	0.77	2.1	1	1.4	137.5	0.56	<0.05	45.6	0.104	1.01	3.9
HD019		15.1	106.5	0.002	<0.01	<0.05	8.8	2	1.3	168	0.55	<0.05	26.4	0.225	0.41	1.9
HD020		19.3	155.5	0.002	<0.01	<0.05	7.4	1	2.1	192	0.76	<0.05	7.4	0.192	0.58	1.5
HD021		13.9	112.5	0.002	<0.01	0.07	10	1	1.2	206	0.4	<0.05	5.3	0.178	0.41	0.7
HD022		18.7	132	0.002	<0.01	<0.05	6.4	1	1.3	188	0.46	<0.05	8.3	0.15	0.5	1.2
HD023		14.2	113	0.002	<0.01	0.05	11	1	1.2	203	0.41	<0.05	6.7	0.198	0.42	1





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## CERTIFICATE OF ANALYSIS AS08068897

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
CD118		34	0.8	13.7	24	57.8
CD119		50	0.4	16.6	27	54.2
CD120		34	0.8	8.6	23	53.7
CD121		25	1	9.4	24	55
CD122		6	0.2	3.3	8	39.8
CD123		15	0.3	11.3	13	42.1
CD124		30	0.5	6.5	20	38.4
CD125		20	1.2	10.7	20	47.7
CD126		17	0.8	10.4	18	31.5
CD127		23	1.8	9.5	20	37.1
CD128		18	0.3	7.4	13	42.8
CD129		36	0.3	9.6	28	80.4
CD130		19	0.7	7.5	14	46.5
CD131		7	0.3	3.6	7	35.8
CD132		12	1.1	8.4	15	36.1
CD133		51	0.5	14.6	33	60.2
CD134		15	0.3	5.5	11	43
HD001		30	0.3	10.8	21	44
HD002		56	0.5	13.2	28	48.6
HD003		46	0.4	14.1	28	45.3
HD004		38	0.3	11.5	22	42.4
HD005		43	0.6	15.2	27	54.3
HD006		57	0.5	15	26	43.3
HD007		84	0.4	19.4	43	58.6
HD008		57	0.5	13.7	36	55.9
HD009		65	0.7	27.1	48	158
HD010		79	0.4	20.3	45	49.1
HD011		73	0.6	23.9	50	79.7
HD012		74	0.6	22.5	45	74.9
HD013		74	0.4	18	46	90.7
HD014		55	0.6	16.8	41	50.5
HD015		58	0.4	15.8	36	64.8
HD016		49	0.3	11.2	28	63.5
HD017		54	0.6	14.3	34	56
HD018		15	0.3	8.1	12	107
HD019		59	0.8	19.8	36	112.5
HD020		53	0.6	15.4	24	75
HD021		56	0.3	12.9	30	34.2
HD022		41	0.3	12.7	21	39.5
HD023		63	0.6	12.9	38	45



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## CERTIFICATE OF ANALYSIS AS08068897

Sample Description	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
		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
HD024		1.75		0.05	6.01	<0.2	910	2.03	0.07	1.35	0.07	30.9	9.3	46	2.09	10.8
HD025		1.84		0.04	6.15	<0.2	1120	2.17	0.1	1.11	0.06	32.5	5.3	21	2.43	6.1
HD026		1.98		0.04	5.74	<0.2	790	1.57	0.09	1.37	0.06	39.7	8.2	71	1.61	9.6
HD027		1.93		0.07	3.16	2.1	220	1.41	0.24	0.18	0.06	43.6	9.4	29	3.67	14.2
HD028		1.80		0.04	6.11	<0.2	860	1.64	0.04	1.47	0.06	28.4	7.8	45	1.55	9.7
HD029		1.83		0.04	5.99	<0.2	750	1.55	0.06	1.92	0.06	37.7	12	55	1.32	11.2
HD030		1.94		0.03	6.48	<0.2	1170	1.73	0.05	0.94	0.06	46	6.1	25	1.83	8
HD031		1.84		<0.01	5.71	<0.2	740	1.72	0.04	1.04	0.03	25.8	5.9	24	2.3	8.5
HD032		1.70		<0.01	6.06	4.5	310	2.63	0.46	1.73	0.04	65.6	14.6	46	10.4	20.9
HD033		1.89	96.9	0.02	5.56	4.5	300	2.67	0.41	3.38	0.1	70.2	13.5	37	6.58	25.2
HD034		2.43		0.09	3.72	4.5	410	1.83	0.27	1.97	0.13	56.8	26.1	26	3.74	18.3
HD035		2.25		0.11	2.96	4.4	350	1.63	0.24	0.52	0.17	57.3	23.5	26	2.88	20.1
HD036		2.13		0.11	2.6	9	200	1.74	0.22	10.35	0.43	35.5	13.6	20	2.52	17.3
HD037		2.16		0.09	3.02	3.3	220	1.25	0.21	7.69	0.42	34.6	9	21	3.05	14.8
HD038		1.69		<0.01	5.36	<0.2	580	1.26	0.09	1.03	0.03	164	9.1	66	1.15	11
HD039		1.92		<0.01	5.81	<0.2	770	2.11	0.17	1.41	0.05	32.6	9.2	30	3.14	12.4
HD040		1.19		0.03	1.8	<5	180	0.83	0.16	12.6	0.09	24.1	8.4	14	1.78	14.2



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## CERTIFICATE OF ANALYSIS AS08068897

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
		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
HD024		2.46	13.25	0.13	1.7	0.028	2.76	15.8	13.5	0.75	432	0.47	1.4	4.9	22.4	270
HD025		1.7	12.95	0.11	1.2	0.02	2.85	17	13.4	0.41	339	0.17	1.67	4.7	10.9	180
HD026		2.2	13.2	0.13	1.7	0.029	2.41	21	9.6	0.68	376	1.35	1.36	5.9	31.2	270
HD027		2.5	8.9	0.12	2.3	0.026	1.33	22	19.7	0.42	490	0.57	0.08	5.7	15.6	190
HD028		2.15	13.85	0.12	1.6	0.026	2.55	15.2	10	0.6	370	0.28	1.5	4.4	19.7	230
HD029		2.78	14.25	0.14	1.7	0.037	2.4	19.7	9.6	0.92	484	1.28	1.37	5.3	26.7	250
HD030		2.5	14.75	0.14	2	0.021	2.79	25	12.9	0.39	362	0.44	1.9	4.4	12.4	200
HD031		1.56	13.7	0.19	1.5	0.025	2.86	15	10.6	0.44	268	0.28	1.43	3.7	14.7	170
HD032		3.82	18.75	0.27	3.4	0.07	2.74	32.9	42.6	1.54	541	0.89	0.12	11.6	25.4	290
HD033		3.7	16.65	0.26	3.3	0.051	2.94	35	60.5	1.95	586	0.78	0.1	12.8	19.9	290
HD034		2.87	10.65	0.23	3.1	0.041	2.36	26	21.7	0.81	1410	0.64	0.07	8	27.9	410
HD035		2.67	8.89	0.21	2.7	0.034	1.82	23.6	19.7	0.45	1220	1.76	0.04	6.6	28.9	340
HD036		3.4	7.6	0.16	1.7	0.03	1.26	19.3	27	4.58	909	0.89	0.05	5.1	13.7	460
HD037		1.96	8.19	0.14	1.8	0.031	1.42	18.9	35.5	3.68	543	0.38	0.08	5.4	11.2	500
HD038		2.44	15.1	0.39	2.2	0.03	2.23	79.5	8.6	0.55	401	1.72	0.91	4.7	21.7	360
HD039		2.28	15.05	0.23	1.6	0.036	2.51	17.8	17.2	0.68	473	0.51	1.47	6.8	17.2	210
HD040		1.76	5.09	0.13	1	0.027	0.81	13.3	34.2	4.9	502	0.69	0.04	3.4	7.4	210
	</															



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## CERTIFICATE OF ANALYSIS AS08068897

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
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	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	0.1
HD024		18.5	139.5	<0.002	<0.01	0.09	9.6	1	1.3	195.5	0.43	<0.05	5.6	0.16	1
HD025		19.7	150	<0.002	<0.01	<0.05	6.3	1	1	184	0.65	<0.05	5.3	0.099	1
HD026		17.6	109.5	0.002	<0.01	<0.05	8.4	1	1.3	191.5	0.5	<0.05	9.6	0.18	1.4
HD027		11.2	69.4	<0.002	0.02	0.41	5.7	1	1.9	27.6	0.49	<0.05	8.6	0.191	1.2
HD028		19.3	120.5	<0.002	<0.01	<0.05	8.2	1	1.1	216	0.38	<0.05	6.2	0.137	1.2
HD029		15	112	0.002	<0.01	0.06	12.2	1	1.6	197	0.43	<0.05	6.5	0.201	1
HD030		15.3	125.5	0.002	<0.01	0.11	5.7	1	1.2	228	0.44	<0.05	8.3	0.143	1.4
HD031		26.4	145.5	<0.002	<0.01	<0.05	6.3	1	0.9	162	0.36	<0.05	7	0.088	1.5
HD032		23.4	169.5	0.009	0.01	0.54	13	2	3.6	45.5	1.04	0.08	15.6	0.319	2.2
HD033		20.7	155	0.01	0.03	0.54	11.5	2	2.9	41	1.06	0.1	13.8	0.316	2.5
HD034		28.3	97.4	0.004	0.01	0.44	7.1	2	2	49	0.7	0.06	13.1	0.222	1.9
HD035		33.9	75.3	<0.002	<0.01	0.41	6	2	1.7	36.3	0.58	<0.05	11.5	0.186	1.8
HD036		51.4	52.5	0.009	0.02	0.37	5.9	2	1.3	85.7	0.43	0.06	8.2	0.128	2.2
HD037		47.3	63.9	0.012	0.02	0.35	6	2	1.4	75	0.46	0.08	8.4	0.165	1.5
HD038		29.1	93.6	0.002	<0.01	0.07	7.8	2	1.7	210	0.35	<0.05	39.6	0.138	3.2
HD039		27.7	157	0.004	<0.01	0.08	10.2	1	1.4	134.5	1.61	<0.05	9.2	0.16	2
HD040		9	44.3	0.014	0.02	0.2	4.3	2	0.8	66.2	0.28	0.08	5	0.134	1.3



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## CERTIFICATE OF ANALYSIS AS08068897

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
HD024		48	0.5	12.5	33	58.7
HD025		29	0.5	9.7	20	37.7
HD026		38	0.7	13.5	28	54
HD027		47	1.2	12.3	24	78.9
HD028		39	0.2	11.1	28	52.9
HD029		62	0.5	15.4	34	56.2
HD030		42	0.4	11.5	25	67.4
HD031		26	0.3	12.3	20	39.6
HD032		87	2.3	23.3	67	102
HD033		86	2	24.2	40	92.6
HD034		50	1.2	22.1	55	90.9
HD035		46	1.2	19.1	75	78.6
HD036		45	0.9	18.7	148	51
HD037		41	1	15.1	131	52.9
HD038		45	0.6	25.6	28	58
HD039		41	0.9	18.9	32	41.9
HD040		39	3.2	12.6	23	28.9



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## CERTIFICATE OF ANALYSIS AS08068897

Method	CERTIFICATE COMMENTS
ME-MS61 ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in this method.