

AA MINERAL SPECIMENS																	
MALAWI ZIRCON ANALYSIS																	
Analysis: GROUP 4B - REE - 0.200 GM BY LiBO2/LI2B4O7 FUSION, ICP/MS FINISHED.																	
ELEMENT	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1	50.6	<1	0.7	0.2	2	7471.9	1310.8	9	3	45.1	41.5	434.4	690.7	15	2	>50000	900.1
2	55.3	1	1.1	0.5	1.8	8731	902	7.8	3	48.3	55	438.1	668.9	19	2.8	>50000	1147
3	22.5	1	0.7	0.1	0.9	6779.4	890.1	2.5	2	11.1	44	138	589.5	13	3.7	>50000	520.5
STANDARD SO-18	509.9	1	28.9	6.9	16.6	20.3	27.3	29	16	418.5	6.9	10.8	19.4	209	15.5	300	35.2
ELEMENT	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu			
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
1	29.4	89.3	11.62	50.9	18.12	8.67	39.06	13.45	102.93	37.04	158.23	40.78	318.62	61.86			
2	46.3	100.9	15.9	70.5	24.86	11.54	55.48	18.42	134.81	46.69	189.18	47.43	359.89	68.22			
3	11.2	40.8	5.08	21.3	6.56	2.92	12.91	4.88	46.05	20.86	108.05	31.04	263.38	54.59			
STANDARD SO-18	12.8	28.7	3.65	13.8	2.98	0.94	2.92	0.63	3.09	0.69	1.9	0.34	1.8	0.3			
Analysis: GROUP 4A - 0.200 GM SAMPLE BY LiBO2/LI2B4O7 FUSION, ANALYSIS BY ICP-ES. (LiBO2/LI2B4O7 FUSION MAY NOT BE SUITABLE FOR MASSIVE SULFIDE OR HIGH																	
ELEMENT	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	TOT/C	TOT/S	SUM
SAMPLES	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	%	%
1	29.08	0.76	0.84	<.01	0.07	<.01	0.08	0.03	0.08	0.02	<.001	<5	3	1.3	0.02	<.01	32.26
2	31.45	0.77	0.32	<.01	0.11	<.01	0.07	0.03	0.11	0.02	<.001	<5	4	0.9	0.03	0.01	33.77
3	31.9	0.48	0.05	<.01	0.04	<.01	<.04	0.02	0.05	0.01	<.001	<5	2	0.8	0.01	<.01	33.38
STANDARD SO-18/CSC	58.38	14.22	7.47	3.38	6.35	3.61	2.17	0.7	0.83	0.4	0.57	53	25	1.9	3.15	4.16	99.99
Analysis: GROUP 7PF - 0.25 GM SAMPLE, FUSION DIGESTION (Na2O2) TO 100 ML, ANALYZED BY ICP-ES.																	
ELEMENT	B	Cr	Cu	Fe	Nb	Sn	Ta	W	Zn								
SAMPLES	%	%	%	%	%	%	%	%	%								
1	0.02	<.01	0.01	<.01	0.06	0.02	<.01	<.01	<.01								
2	0.03	<.01	<.01	<.01	0.04	0.02	<.01	<.01	<.01								
3	0.02	<.01	<.01	<.01	0.04	0.02	<.01	<.01	<.01								
ELEMENT	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au	Hg	Tl	Se			
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm			
1	0.5	5.7	7.3	10	2.3	<.5	0.5	<.1	<.1	<.1	24.7	<.01	0.1	<.5			
2	0.3	2.5	4.9	6	3.3	<.5	0.3	<.1	<.1	<.1	<.5	<.01	<.1	<.5			
3	0.2	1.7	2.3	3	1.3	<.5	0.5	0.1	<.1	0.1	<.5	<.01	<.1	<.5			
STANDARD DS7	20.6	116.7	77.6	424	58.8	52.7	6.5	4.3	4.8	0.9	47.7	0.22	4.5	3.8			