



ORE RESEARCH & EXPLORATION PTY LTD

6-8 Gatwick Road, Bayswater North, Vic 3153 AUSTRALIA

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**CERTIFICATE OF ANALYSIS FOR
TIN ORE REFERENCE MATERIAL
OREAS 140**

Summary Statistics for OREAS 140

Constituent	Certified Value	Absolute Standard Deviations					Relative Standard Deviations			5% window	
		1SD	2SD Low	2SD High	3SD Low	3SD High	1RSD	2RSD	3RSD	Low	High
Ag (ppm)	1.03	0.11	0.80	1.26	0.68	1.37	11.2%	22.3%	33.5%	0.98	1.08
As (ppm)	149	6	136	162	130	168	4.30%	8.61%	12.9%	141	156
Bi (ppm)	318	12	294	342	282	355	3.82%	7.65%	11.5%	302	334
Cu (ppm)	1529	82	1365	1693	1283	1776	5.37%	10.7%	16.1%	1453	1606
In (ppm)	10.7	1.8	7.1	14.3	5.3	16.1	16.7%	33.4%	50.1%	10.2	11.2
Mo (ppm)	1.68	0.23	1.22	2.13	0.99	2.36	13.6%	27.2%	40.8%	1.59	1.76
Pb (ppm)	26.7	0.8	25.0	28.4	24.1	29.2	3.18%	6.36%	9.54%	25.3	28.0
Zn (ppm)	1706	123	1459	1952	1336	2076	7.23%	14.5%	21.7%	1620	1791
Sn-fusion (ppm)	1755	122	1511	1999	1389	2121	6.96%	13.9%	20.9%	1667	1843
Sn-PP (ppm)	1777	42	1693	1861	1650	1903	2.37%	4.75%	7.12%	1688	1866

Note - intervals may appear asymmetric due to rounding; "PP" – pressed pellet X-ray fluorescence

Prepared by:
Ore Research & Exploration Pty Ltd
September 2008



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**CERTIFICATE OF ANALYSIS FOR
TIN ORE REFERENCE MATERIAL**

OREAS 141

Summary Statistics for OREAS 141

Constituent	Certified Value	Absolute Standard Deviations					Relative Standard Deviations			5% window	
		1SD	2SD Low	2SD High	3SD Low	3SD High	1RSD	2RSD	3RSD	Low	High
Ag (ppm)	1.58	0.11	1.37	1.80	1.26	1.91	6.85%	13.7%	20.5%	1.50	1.66
As (ppm)	789	29	732	846	704	875	3.62%	7.24%	10.9%	750	829
Bi (ppm)	324	29	265	382	236	412	9.03%	18.1%	27.1%	308	340
Cu (ppm)	2453	98	2257	2648	2159	2746	3.99%	7.99%	12.0%	2330	2575
In (ppm)	34	5	24	44	18	50	15.3%	30.6%	45.9%	32	36
Mo (ppm)	2.28	0.29	1.71	2.86	1.43	3.14	12.5%	25.1%	37.6%	2.17	2.40
Pb (ppm)	59.0	3.8	51.4	66.6	47.6	70.4	6.44%	12.9%	19.3%	56.1	62.0
Zn (ppm)	3637	178	3280	3993	3102	4172	4.90%	9.81%	14.7%	3455	3818
Sn-fusion (ppm)	6061	339	5383	6738	5044	7077	5.59%	11.2%	16.8%	5758	6364
Sn-PP (ppm)	6312	259	5794	6830	5534	7090	4.11%	8.21%	12.3%	5996	6628

Note - intervals may appear asymmetric due to rounding; "PP" – pressed pellet X-ray fluorescence

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REPORT 07-731B



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**CERTIFICATE OF ANALYSIS FOR
TIN ORE REFERENCE MATERIAL
OREAS 142**

Summary Statistics for OREAS 142

Constituent	Certified Value	Absolute Standard Deviations					Relative Standard Deviations			5% window	
		1SD	2SD Low	2SD High	3SD Low	3SD High	1RSD	2RSD	3RSD	Low	High
Ag (ppm)	1.22	0.12	0.98	1.47	0.85	1.59	10.1%	20.1%	30.2%	1.16	1.28
As (ppm)	584	38	507	660	469	699	6.55%	13.1%	19.6%	555	613
Bi (ppm)	242	17	208	275	191	292	6.99%	14.0%	21.0%	230	254
Cu (ppm)	1466	65	1336	1596	1271	1661	4.43%	8.87%	13.3%	1393	1539
In (ppm)	45	5	35	55	30	60	11.2%	22.5%	33.7%	43	47
Mo (ppm)	2.99	0.19	2.62	3.36	2.43	3.55	6.20%	12.4%	18.6%	2.84	3.14
Pb (ppm)	54.3	3.8	46.7	61.8	42.9	65.6	6.97%	13.9%	20.9%	51.5	57.0
Zn (ppm)	2436	82	2272	2601	2190	2683	3.37%	6.74%	10.1%	2315	2558
Sn-fusion (wt%)	1.04	0.05	0.95	1.13	0.90	1.18	4.52%	9.04%	13.6%	0.99	1.09
Sn-PP (wt%)	1.08	0.04	1.00	1.16	0.96	1.20	3.60%	7.19%	10.8%	1.03	1.14

Note - intervals may appear asymmetric due to rounding; "PP" – pressed pellet X-ray fluorescence

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