

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Base Metal Reference Material Product Code

GBM311-1

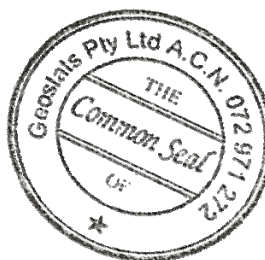
Certified Control Values

Base Metal Analyses

Element	Grade	Standard Deviation	No of Analyses	Confidence Interval
Nickel (ppm)	214	13	69	+/- 3.2
Copper (ppm)	1233	49	91	+/- 10.3
Zinc (ppm)	629	37	81	+/- 8.3
Lead (ppm)	152	11	82	+/- 2.5
Arsenic (ppm)	395	29	71	+/- 7
Cobalt (ppm)	34	2	64	+/- 0.6
Silver (ppm)	6.0	0.7	88	+/- 0.16

CRM Details

Control Statistic Details	Neutron Activation		Major Elements	
	Analysis Results (ppm)		Fusion / XRF (%)	
Control statistics were produced from results accumulated in the : <u>April-2011</u> Geostats Pty Ltd Laboratory Round Robin Program. <u>64</u> laboratories (at least) tested this material for base metal content.	Antimony	13.8	Fe	7.21
	Arsenic	390	SiO ₂	59.41
	Barium	139	Al ₂ O ₃	12.21
	Bromine	1.2	TiO ₂	0.666
	Cadmium	<5	MnO	0.12
	Cerium	22.9	CaO	4.05
	Caesium	11	P	0.045
	Chromium	146	S	1.32
	Cobalt	38.2	MgO	1.83
	Europium	<1	K ₂ O	1.61
	Gold ppb	5470	Na ₂ O	0.84924
	Hafnium	2.51	LOI1000	6.79
	Iridium ppb	<20		
	Iron %	7.33		
	Lanthanum	10.4		
	Lutetium	nr		
	Molybdenum	8.81		
	Nickel	204		
	Rubidium	200		
	Samarium	2.63		
	Scandium	17.6		
	Selenium	<5		
	Sodium %	0.645		
	Tantalum	0.926		
	Tellurium	<5		
	Terbium	0.422		
	Thorium	3.92		
	Tin	<100		
	Tungsten	11.2		
	Uranium	1.49		
	Ytterbium	<1		
	Zinc	670		
	Zirconium	<400		
	Calcium%	nr		
	Potassium %	nr		
	Silver	5		
	Mercury	nr		
	Neodymium	nr		
	Strontium	nr		



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