Common Seal

GEOSTATS PTY LTD

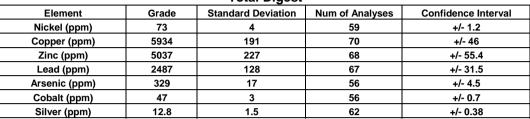
Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM915-7

Certified Control Values

Total Digest



Partial Digest

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Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval			
Nickel (ppm)	65	5	53	+/- 1.5			
Copper (ppm)	6057	226	70	+/- 54.4			
Zinc (ppm)	5150	197	60	+/- 51.4			
Lead (ppm)	2525	117	63	+/- 29.8			
Arsenic (ppm)	334	16	55	+/- 4.2			
Cobalt (ppm)	40	5	58	+/- 1.3			
Silver (ppm)	13.1	1.1	70	+/- 0.27			

CRM Details

	Neutron Activation		Major Elements by	
Control Statistic Details	Analysis Results (ppm,		Fusion / XRF (%)	
Control statistics were produced from results accumulated in the October-2015	unless otherwise noted)			
round robin. The number of results used to certify each analyte is shown in the	Antimony	216	Fe	7.853
table above.	Arsenic	348	SiO ₂	57.76
	Barium	370	Al ₂ O ₃	11.92
Material Description	Bromine	<2	TiO ₂	1.6
This material is described as a Cu Pb Zn Materials sulphide.	Cadmium	<10	MnO	0.15
	Caesium	<1	CaO	5.56
	Calcium (%)	nr	Р	0.079
Colour Designation (ISCC-NBS, SP440)	Cerium	42.6	S	1.045
This material is medium dark gray in colour.	Chromium	30	MgO	2.91
	Cobalt	51	K ₂ O	1.71
<u>Usage</u>	Europium	1.35	Na ₂ O	nr
This product is for use in the mining industry as a reference material for	Gold (ppb)	4440	LOI1000	0.42
monitoring and testing the accuracy of laboratory assaying.	Hafnium	5		
	Iridium (ppb)	<50	Neutron Act	ivation
Preparation and Packaging	Iron (%)	8	Analyses and Fusion /	
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	22	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45 micron)	Lutetium	0.45	single results and are	
using an air classifier. The material is then homogenised and stored in a sealed,	Mercury	nr	ŭ	
stable container ready for final packaging.	Molybdenum	22	indicative only. These	
	Neodymium	nr	are provided	for matrix
Materials are statistically sampled from stores, then packaged into either heat	Nickel	74	identification	purposes.
sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready	Potassium (%)	nr		
for distribution. All packaging has been chosen to ensure minimal contamination	Rubidium	68	'nr': Not Reported	
from outside sources during shipment, use and storage.	Samarium	5.3		
	Scandium	21.5		
Assay Testwork	Selenium	<10		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	13		
This involves assaying by multiple laboratories from around the world. Results	Sodium (%)	2.16		
are compiled into a comprehensive report detailing statistics for each standard.	Strontium	nr		
Assay distributions are checked and processed statistically, producing	Tantalum	2		
monitoring statistics for these standards. Materials are tested regularly to ensure	Tellurium	<20		
stability and homogeneity.	Terbium	1		
	Thorium	11.2		
<u>Stability</u>	Tin	<200		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	8		
	Uranium	4		
Material Safety	Ytterbium	3		
This product is not hazardous and non-toxic.	Zinc	5300		
	Zirconium	<500		

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