Common Seal

GEOSTATS PTY LTD

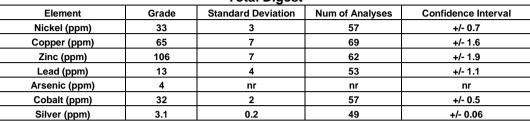
Mining Industry Consultants Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM314-8

Certified Control Values

Total Digest



Partial Digest

: a.t.a. 2.900t							
Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval			
Nickel (ppm)	16	2	56	+/- 0.6			
Copper (ppm)	58	5	73	+/- 1.1			
Zinc (ppm)	57	7	66	+/- 1.7			
Lead (ppm)	9	3	59	+/- 0.7			
Arsenic (ppm)	3	nr	nr	nr			
Cobalt (ppm)	16	4	54	+/- 1			
Silver (ppm)	3.2	0.1	59	+/- 0.04			

CRM Details

CRINI Details				
	Neutron Activation Analysis Results (ppm,		Major Elements by Fusion / XRF (%)	
Control Statistic Details				
Control statistics were produced from results accumulated in the April-2014	unless otherwi	se noted)		. ,
round robin. The number of results used to certify each analyte is shown in the	Antimony	0.8	Fe	8.16
table above.	Arsenic	<1	SiO ₂	55.56
	Barium	280	Al ₂ O ₃	13.82
Material Description	Bromine	<0.5	TiO ₂	1.8
This material is described as an Oxide material (basic).	Cadmium	<5	MnO	0.16
	Caesium	1.5	CaO	7.27
	Calcium (%)	nr	Р	0.096
Colour Designation (ISCC-NBS, SP440)	Cerium	24	S	0.084
This material is light brownish gray in colour.	Chromium	60	MgO	3.9
	Cobalt	33	K ₂ O	1.38
Usage	Europium	2	Na ₂ O	3.03
This product is for use in the mining industry as a reference material for	Gold (ppb)	57.1	LOI1000	0.67
monitoring and testing the accuracy of laboratory assaying.	Hafnium	5		•
	Iridium (ppb)	<50	Neutron Act	ivation
Preparation and Packaging	Iron (%)	7.3	Analyses and Fusion /	
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	16	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45 micron)	Lutetium	0.3	1	
using an air classifier. The material is then homogenised and stored in a sealed,	Mercury	nr	single results and are	
stable container ready for final packaging.	Molybdenum	9	indicative only. These	
	Neodymium	nr	are provided	I for matrix
Materials are statistically sampled from stores, then packaged into either heat	Nickel	36	identification	n 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	50	'nr': Not Reported	
from outside sources during shipment, use and storage.	Samarium	5.4		
	Scandium	23.9		
Assay Testwork	Selenium	<5		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	4		
This involves assaying by multiple laboratories from around the world. Results are	Sodium (%)	1.86		
compiled into a comprehensive report detailing statistics for each standard.	Strontium	nr		
Assay distributions are checked and processed statistically, producing monitoring	Tantalum	1.2		
statistics for these standards. Materials are tested regularly to ensure stability and	Tellurium	nr		
homogeneity.	Terbium	1		
	Thorium	7.4		
<u>Stability</u>	Tin	nr		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	1		
	Uranium	3.8		
Material Safety	Ytterbium	3		
This product is not hazardous and non-toxic.	Zinc	100		
	Zirconium	nr		

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