Common Seal

GEOSTATS PTY LTD

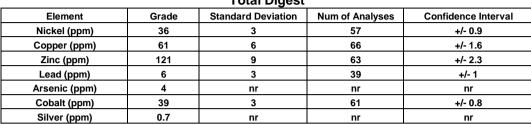
Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM314-10

Certified Control Values

Total Digest



Partial Digest

: a.t.a. 2.900t								
Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval				
Nickel (ppm)	9	1	52	+/- 0.4				
Copper (ppm)	54	5	71	+/- 1.3				
Zinc (ppm)	58	4	55	+/- 1.2				
Lead (ppm)	5	3	42	+/- 1				
Arsenic (ppm)	4	nr	nr	nr				
Cobalt (ppm)	11	2	47	+/- 0.6				
Silver (ppm)	0.4	nr	nr	nr				

CRM Details

Control Statistic Details	Neutron Activation Analysis Results (ppm, unless otherwise noted)		Major Elements by Fusion / XRF (%)	
Control statistics were produced from results accumulated in the April-2014			l usion / X	111 (70)
round robin. The number of results used to certify each analyte is shown in the	Antimony	<0.1	Fe	8.8
table above.	Arsenic	<1	SiO ₂	52.09
	Barium	120	Al ₂ O ₃	14.34
Material Description	Bromine	<0.5	TiO ₂	2.01
This material is described as a Milled Basalt.	Cadmium	<5	MnO	0.18
	Caesium	0.6	CaO	9.4
	Calcium (%)	nr	Р	0.103
Colour Designation (ISCC-NBS, SP440)	Cerium	28	S	0.044
This material is medium light gray in colour.	Chromium	160	MgO	5.48
3 · 3 · 4	Cobalt	42	K ₂ O	0.443
Usage	Europium	2	Na ₂ O	2.9
This product is for use in the mining industry as a reference material for	Gold (ppb)	<1.82	LOI1000	-0.06
monitoring and testing the accuracy of laboratory assaying.	Hafnium	4		
, , , ,	Iridium (ppb)	<50	Neutron Activation	
Preparation and Packaging	Iron (%)	8.3	Analyses and Fusion /	
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	10	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45 micron)	Lutetium	0.4	single results and are	
using an air classifier. The material is then homogenised and stored in a sealed,	Mercury	nr	o .	
stable container ready for final packaging.	Molybdenum	<1	indicative only. These	
	Neodymium	nr	are provided	for matrix
Materials are statistically sampled from stores, then packaged into either heat	Nickel	41	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	13	'nr': Not Rep	orted
from outside sources during shipment, use and storage.	Samarium	5.9		
	Scandium	32.1		
Assay Testwork	Selenium	<5		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	<1		
This involves assaying by multiple laboratories from around the world. Results are	Sodium (%)	1.96		
compiled into a comprehensive report detailing statistics for each standard.	Strontium	nr		
Assay distributions are checked and processed statistically, producing monitoring	Tantalum	0.7		
statistics for these standards. Materials are tested regularly to ensure stability and	Tellurium	nr		
homogeneity.	Terbium	1		
	Thorium	0.6		
<u>Stability</u>	Tin	nr		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	<1		
	Uranium	<0.5		
Material Safety	Ytterbium	3		
This product is not hazardous and non-toxic.	Zinc	110		
	Zirconium	nr		

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