Ltd A Pty

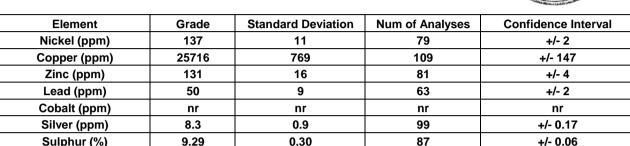
GEOSTATS PTY LTD

Mining Industry Consultants Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM320-12

Certified Control Values



Copper (ppm)	25716	769		109		+/- 147				
Zinc (ppm)	131	16		81	+/- 4					
Lead (ppm)	50	9		63	+/- 2					
Cobalt (ppm)	nr	nr		nr nr						
Silver (ppm)	8.3	0.9		99		+/- 0.17				
Sulphur (%)	9.29	0.30		87	+/- 0.06					
CRM Details										
				Neutron Activa	tion	Major Ele	ments hy			
Control Statistic Details				Analysis Resul		Fusion / XRF (%)				
Control statistics were prod	-2020	unless otherwi			(/0/					
round robin. The number of	Antimony	0.5	Fe	10.8						
table above.	Arsenic	664	SiO ₂	53.75						
				Barium	466	Al ₂ O ₃	10.48			
Material Description		Bromine	<2	TiO ₂	0.56					
This material is described as	Cadmium	<10	MnO	0.09						
Australia.	Caesium	2	CaO	1.29						
				Calcium (%)	nr	Р	0.031			
Colour Designation (ISCC-NE	Cerium	87	S	9.32						
This material is pale yellowish	Chromium	146	MgO	1.05						
				Cobalt	304	K ₂ O	2.81			

This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an air classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

Assay Testwork

All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by multiple laboratories from around the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

This product remains stable in its original packaging, away from direct sunlight.

Material Safety

This product is not hazardous and non-toxic.

Analysis Resul	Fusion / XRF (%)				
unless otherwi					
Antimony	0.5	Fe	10.8		
Arsenic	664	SiO ₂	53.75		
Barium	466	Al ₂ O ₃	10.48		
Bromine	<2	TiO ₂	0.56		
Cadmium	<10	MnO	0.09		
Caesium	2	CaO	1.29		
Calcium (%)	nr	Р	0.031		
Cerium	87	S	9.32		
Chromium	146	MgO	1.05		
Cobalt	304	K ₂ O	2.81		
Europium	0.9	Na ₂ O	0.63		
Gold (ppb)	13500	LOI1000	10		
Hafnium	9				
Iridium (ppb)	<50	Neutron Act	ivation		
Iron (%)	11.5	Analyses and Fusion /			
Lanthanum	39	XRF Analyses are			
Lutetium	0.5	single result	ts and are		
Mercury	nr	indicative or	nly. These		
Molybdenum	<10	are provided	d for matrix		
Neodymium	nr	identification	า		
Nickel	143	purposes.			
Potassium (%)	nr				
Rubidium	129	'nr': Not Rep	orted		
Samarium	6.9				
Scandium	8.9				
Selenium	<10				
Silver	8.6				
Sodium (%)	0.433				
Strontium	nr				
Tantalum	<2				
Tellurium	<20				
Terbium	1				
Thorium	20				
Tin	<200				
Tungsten	22				
Uranium	5				
Ytterbium	3.4				
Zinc	<200				
Zirconium	<500				

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