Ltd A Pty

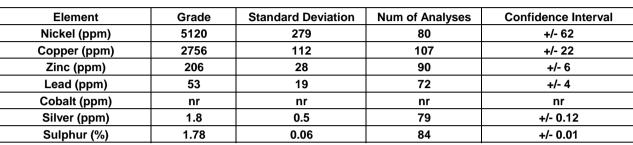
GEOSTATS PTY LTD

Mining Industry Consultants Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM321-14

Certified Control Values



Copper (ppin)	2130	112	107		T/- ZZ			
Zinc (ppm)	206	28	90		+/- 6			
Lead (ppm)	53	19	72		+/- 4			
Cobalt (ppm)	nr	nr	nr		nr			
Silver (ppm)	1.8	0.5	79		+/- 0.12			
Sulphur (%)	1.78	0.06	84		+/- 0.01			
		CRM Details						
				Neutron Activa	tion	Major Eler	-	
Control Statistic Details				Analysis Resul		Fusion / X	Fusion / XRF (%)	
Control statistics were produ				unless otherwi	,			
round robin. The number of r	esults used to ce	rtify each analyte is shown in		Antimony	3	Fe	10	
table above.				Arsenic	611	SiO ₂	48.53	
				Barium	440	Al ₂ O ₃	3.16	
aterial Description		Bromine	<2	TiO ₂	0.23			
This material is described as a Composite nickel, sulphide.				Cadmium	<10	MnO	0.11	
				Caesium	<2	CaO	1.98	
				Calcium (%)	nr	Р	0.01	
olour Designation (ISCC-NB	S, SP440 <u>)</u>			Cerium	7	S	1.754	
This material is pale reddish brown in colour.				Chromium	8460	MgO	20.3	
				Cobalt	390	K ₂ O	0.087	
<u>sage</u>				Europium	<0.5	Na ₂ O	0.24	
This product is for use in	•	•	-	Gold (ppb)	1350	LOI1000	6.99	
monitoring and testing the acc	curacy of laborator	y assaying.		Hafnium	<5			
				Iridium (ppb)	2680	Neutron Act	ivation	
Preparation and Packaging				Iron (%)	10.3	Analyses and Fusion /		
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry			dry	Lanthanum	3	3 XRF Analyses are		
material is then pulverised to better than 75 micron (nominal mean of 45 micron)				Lutetium	<0.2	0.2 single results and are		
using an air classifier. The ma	aled,	Mercury	nr	nr indicative only. These				
stable container ready for fina		Molybdenum	<10	are provided for matrix				
				Neodymium	nr	identification	1	
Materials are statistically san	npled from stores	, then packaged into either	heat	Nickel	5400	purposes.		

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	rusion / XRF (%)				
unless otherwise noted)						
	Antimony	3	Fe	10		
	Arsenic	611	SiO ₂	48.53		
	Barium	440	Al ₂ O ₃	3.16		
	Bromine	<2	TiO ₂	0.23		
	Cadmium	<10	MnO	0.11		
	Caesium	<2	CaO	1.98		
	Calcium (%)	nr	Р	0.01		
	Cerium	7	S	1.754		
	Chromium	8460	MgO	20.3		
	Cobalt	390	K ₂ O	0.087		
	Europium	<0.5	Na ₂ O	0.24		
	Gold (ppb)	1350	LOI1000	6.99		
	Hafnium	<5				
	Iridium (ppb)	2680	Neutron Act	ivation		
	Iron (%)	10.3	Analyses ar	nd Fusion /		
	Lanthanum	3	XRF Analys	es are		
	Lutetium	<0.2	single result	ts and are		
	Mercury	nr	indicative or	nly. These		
	Molybdenum	<10	are provided	d for matrix		
	Neodymium	nr	identification	า		
	Nickel	5400	purposes.			
	Potassium (%)	nr				
	Rubidium	<20	'nr': Not Rep	orted		
	Samarium	0.6				
	Scandium	12.1				
	Selenium	10				
	Silver	<5				
	Sodium (%)	0.15				
	Strontium	nr				
	Tantalum	<2				
	Tellurium	<20				
	Terbium	<1				
	Thorium	< 0.306				
	Tin	<200				
	Tungsten	<2				
	Uranium	<2				
	Ytterbium	<0.5				
	Zinc	220				
	Zirconium	<500				

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