PN Ltd A.C

Major Flomonts by

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Moutron Activation

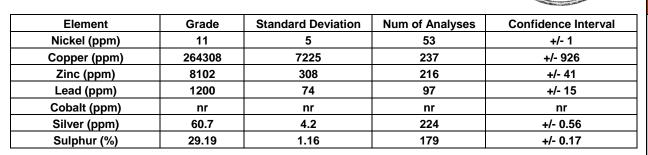
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM914-12

Certified Control Values



CRM Details

	Neutron Activation Analysis Results (ppm,		Major Elements by	
Control Statistic Details			Fusion / X	RF (%)
Control statistics were produced from results accumulated in the October-2014,	unless otherwi	se noted)		
April-2018 round robins. The number of results used to certify each analyte is	Antimony	4.55	Fe	21.91
shown in the table above.	Arsenic	84.65	SiO ₂	4.76
	Barium	<50	Al ₂ O ₃	0.46
Material Description	Bromine	2.6	TiO ₂	0.06
This material is described as a Copper concentrate.	Cadmium	23.4	MnO	0.04
	Caesium	<0.5	CaO	0.65
	Calcium (%)	nr	Р	0.034
Colour Designation (ISCC-NBS, SP440)	Cerium	<10	S	27.8
This material is grayish black in colour.	Chromium	34	MgO	1.67
	Cobalt	62.5	K ₂ O	0.147
<u>Usage</u>	Europium	0.513	Na ₂ O	0.46
This product is for use in the mining industry as a reference material for	Gold (ppb)	25350	LOI1000	19.4
monitoring and testing the accuracy of laboratory assaying.	Hafnium	<1		
	Iridium (ppb)	<50	Neutron Act	ivation
Preparation and Packaging	Iron (%)	26.05	Analyses and Fusion /	
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	5.28	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45 micron)	Lutetium	0.2	single results and are	
using an air classifier. The material is then homogenised and stored in a sealed,	Mercury	nr		
stable container ready for final packaging.	Molybdenum	1245	indicative only. These	
	Neodymium	nr	are provided for matrix	
Materials are statistically sampled from stores, then packaged into either heat	Nickel	36.4	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	<10	'nr': Not Rep	orted
from outside sources during shipment, use and storage.	Samarium	0.745		
	Scandium	0.621		
Assay Testwork	Selenium	213.5		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	59		
This involves assaying by multiple laboratories from around the world. Results	Sodium (%)	0.06		
are compiled into a comprehensive report detailing statistics for each standard.	Strontium	nr		
Assay distributions are checked and processed statistically, producing	Tantalum	<0.5		
monitoring statistics for these standards. Materials are tested regularly to ensure	Tellurium	45.3		
stability and homogeneity.	Terbium	0.6		
	Thorium	0.7		
<u>Stability</u>	Tin	<200		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	26.15		
	Uranium	3.1		
Material Safety	Ytterbium	<0.5		
This product is not hazardous and non-toxic.	Zinc	8250		
	Zirconium	<500		

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