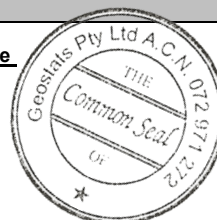


# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

## GBM924-2



### Certified Control Values

#### Total Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	39	3	54	+/- 0.8
Copper (ppm)	37	3	56	+/- 0.8
Zinc (ppm)	174	10	61	+/- 2.7
Lead (ppm)	131	5	54	+/- 1.4
Arsenic (ppm)	279	11	51	+/- 3.3
Cobalt (ppm)	15	1	52	+/- 0.2
Silver (ppm)	0.7	0.2	41	+/- 0.05

#### Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	37	2	47	+/- 0.6
Copper (ppm)	36	3	69	+/- 0.7
Zinc (ppm)	168	11	66	+/- 2.7
Lead (ppm)	129	6	64	+/- 1.6
Arsenic (ppm)	277	14	61	+/- 3.6
Cobalt (ppm)	15	1	49	+/- 0.2
Silver (ppm)	0.7	0.2	56	+/- 0.04

### 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 October-2024 round robin. The number of results used to certify each analyte is shown in the table above.	Antimony	4.5	Fe
<b>Material Description</b> This material is described as a Low sulphide gold ore dactie mix ex Eastern Goldfields, WA.	Arsenic	280	SiO <sub>2</sub>	61.56
	<b>Colour Designation (ISCC-NBS, SP440)</b> This material is very light gray in colour.	Barium	562	Al <sub>2</sub> O <sub>3</sub>
<b>Usage</b> This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.		Bromine	<2	TiO <sub>2</sub>
	<b>Preparation and Packaging</b> 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.	Cadmium	<10	MnO
<b>Assay Testwork</b> 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.		Caesium	9	CaO
	<b>Stability</b> This product remains stable in its original packaging, away from direct sunlight.	Calcium (%)	nr	P
<b>Material Safety</b> This product is not hazardous and non-toxic.		Cerium	48	S
	<b>CRM Details</b>	Chromium	84	MgO
Neutron Activation Analysis Results (ppm, unless otherwise noted)		Cobalt	15	K <sub>2</sub> O
	Major Elements by Fusion / XRF (%)	Europium	0.9	Na <sub>2</sub> O
Control Statistic Details		Gold (ppb)	739	LOH1000
	Material Description	Hafnium	<5	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.
Colour Designation (ISCC-NBS, SP440)		Iridium (ppb)	<50	'nr': Not Reported
	Usage	Iron (%)	3.7	
Preparation and Packaging		Lanthanum	25	
	Assay Testwork	Lutetium	0.3	
Stability		Mercury	nr	
	Material Safety	Molybdenum	<10	
CRM Details		Neodymium	nr	
	Control Statistic Details	Nickel	<100	
Material Description		Potassium (%)	nr	
	Colour Designation (ISCC-NBS, SP440)	Rubidium	102	
Usage		Samarium	3.8	
	Preparation and Packaging	Scandium	10.3	
Assay Testwork		Selenium	<10	
	Stability	Silver	<5	
Material Safety		Sodium (%)	0.94	
	CRM Details	Strontium	nr	
Control Statistic Details		Tantalum	<2	
	Material Description	Tellurium	<20	
Colour Designation (ISCC-NBS, SP440)		Terbium	<1	
	Usage	Thorium	6.1	
Preparation and Packaging		Tin	<200	
	Assay Testwork	Tungsten	89	
Stability		Uranium	2	
	Material Safety	Ytterbium	1.5	
CRM Details		Zinc	<200	
	Control Statistic Details	Zirconium	<500	

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