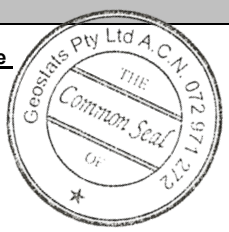
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM925-3



Certified Control Values

Total Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	32	3	52	+/- 0.7
Copper (ppm)	482	20	62	+/- 5.1
Zinc (ppm)	410	25	57	+/- 6.8
Lead (ppm)	108	5	52	+/- 1.4
Arsenic (ppm)	3867	197	47	+/- 58.5
Cobalt (ppm)	16	1	56	+/- 0.3
Silver (ppm)	8.6	0.5	44	+/- 0.15

Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	31	2	45	+/- 0.6
Copper (ppm)	495	14	70	+/- 3.5
Zinc (ppm)	411	19	58	+/- 5.2
Lead (ppm)	107	7	59	+/- 1.8
Arsenic (ppm)	3954	199	53	+/- 55.4
Cobalt (ppm)	16	1	40	+/- 0.2
Silver (ppm)	8.8	0.5	67	+/- 0.13

CRM Details

Control Statistic Details
Control statistics were produced from results accumulated in the October-2025 round robin. The number of results used to certify each analyte is shown in the table above.

Material Description
This material is described as a Fresh dacite, Pilbara, WA.

Colour Designation (ISCC-NBS, SP440)
This material is very light gray in colour.

Usage
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.

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

Material Safety
This product is not hazardous and non-toxic.

Neutron Activation Analysis Results (ppm, unless otherwise noted)	
Antimony	33.6
Arsenic	3700
Barium	363
Bromine	<2
Cadmium	<10
Caesium	8
Calcium (%)	nr
Cerium	45
Chromium	52
Cobalt	16
Europium	1
Gold (ppb)	1900
Hafnium	<5
Iridium (ppb)	<50
Iron (%)	4.2
Lanthanum	20
Lutetium	0.3
Mercury	nr
Molybdenum	<10
Neodymium	nr
Nickel	<100
Potassium (%)	nr
Rubidium	97
Samarium	3.5
Scandium	11.4
Selenium	<10
Silver	<5
Sodium (%)	0.6
Strontium	nr
Tantalum	<2
Tellurium	<20
Terbium	<1
Thorium	5.8
Tin	<200
Tungsten	14
Uranium	1
Ytterbium	1.8
Zinc	430
Zirconium	<500

Major Elements by Fusion / XRF (%)	
Fe	4.11
SiO_2	62.49
Al_2O_3	14.86
TiO_2	0.65
MnO	0.07
CaO	3
P	0.06
S	2.05
MgO	1.97
K_2O	2.8
Na_2O	nr
LOI1000	6.2

Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.

'nr': Not Reported

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