

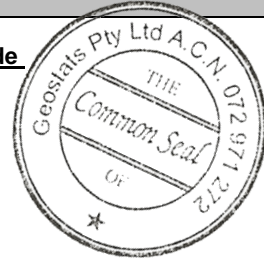
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM923-14

Certified Control Values



Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	79	11	168	+/- 2
Copper (ppm)	29914	952	233	+/- 123
Zinc (ppm)	40586	1296	184	+/- 189
Lead (ppm)	30868	1089	192	+/- 155
Cobalt (ppm)	nr	nr	nr	nr
Silver (ppm)	133.3	7.7	217	+/- 1.04
Sulphur (%)	6.87	0.24	195	+/- 0.03

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-2021, October-2023 round robins. The number of results used to certify each analyte is shown in the table above.	Antimony 324 Arsenic 597 Barium 228 Bromine <2 Cadmium 120 Caesium <2 Calcium (%) nr Cerium 30 Chromium 115 Cobalt 93 Europium 1.3 Gold (ppb) 11500 Hafnium <5 Iridium (ppb) <50 Iron (%) 9.4 Lanthanum 18 Lutetium 0.3 Mercury nr Molybdenum 56 Neodymium nr Nickel <100 Potassium (%) nr Rubidium 6.5 Samarium 36 Scandium 17.3 Selenium 18 Silver 135 Sodium (%) 1.77 Strontium nr Tantalum <2 Tellurium <20 Terbium <1 Thorium 8 Tin <200 Tungsten 14.1 Uranium 3 Ytterbium 2.4 Zinc 43500 Zirconium <500	Fe 9.07 SiO ₂ 44.71 Al ₂ O ₃ 11.09 TiO ₂ 1.01 MnO 0.15 CaO 5.14 P 0.053 S 6.89 MgO 3.04 K ₂ O 1.22 Na ₂ O 2.54 LOI1000 5.43 Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes. 'nr': Not Reported
Material Description This material is described as a Cu Pb Zn Ore.		
Colour Designation (ISCC-NBS, SP440) This material is medium dark 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.		

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