

## **Certified Gold Reference Material (Sulphide ore with minor Copper ex Pilbara region.)**

Art. ID GEO-G998-10  
 Unit Powder 10g or 1 kg  
 Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified value	Gold (Au)	[7440-57-5]	3,05 ± 0,03	ppm	Fire Assay	
Certified value	Gold (Au)	[7440-57-5]	2,97 ± 0,059	%p	Aqua Regia	
Single analysis only -	Antimony (Sb)	[7440-36-0]	0,000924	%	Neutron activation analyses	
Not certified						
Single analysis only -	Arsenic (As)	[7440-38-2]	0,0246	%	Neutron activation analyses	
Not certified						
Single analysis only -	Barium (Ba)	[7440-39-3]	0,133	%	Neutron activation analyses	
Not certified						
Single analysis only -	Bromine (Br)	[7726-95-6]	<0,0001	%	Neutron activation analyses	
Not certified						
Single analysis only -	Cadmium (Cd)	[7440-43-9]	nr	%	Neutron activation analyses	
Not certified						
Single analysis only -	Cerium (Ce)	[7440-45-1]	0,00544	%	Neutron activation analyses	
Not certified						
Single analysis only -	Caesium (Cs)	[7440-46-2]	0,00027	%	Neutron activation analyses	
Not certified						
Single analysis only -	Chromium (Cr)	[7440-47-3]	0,0232	%	Neutron activation analyses	
Not certified						
Single analysis only -	Cobalt (Co)	[7440-48-4]	0,00481	%	Neutron activation analyses	
Not certified						
Single analysis only -	Europium (Eu)	[7440-53-1]	0,00009	%	Neutron activation analyses	
Not certified						

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Single analysis only -	Gold (Au)	[7440-57-5]	0,000305	%	Neutron activation analyses
Not certified					
Single analysis only -	Hafnium (Hf)	[7440-58-6]	0,000321	%	Neutron activation analyses
Not certified					
Single analysis only -	Iridium (Ir)	[7439-88-5]	<0,000002	%	Neutron activation analyses
Not certified					
Single analysis only -	Iron (Fe)	[7439-89-6]	4,57	%	Neutron activation analyses
Not certified					
Single analysis only -	Lanthanum (La)	[7439-91-0]	0,00256	%	Neutron activation analyses
Not certified					
Single analysis only -	Lutetium (Lu)	[7439-94-3]	0,000026	%	Neutron activation analyses
Not certified					
Single analysis only -	Molybdenum (Mo)	[7439-98-7]	<0,0005	%	Neutron activation analyses
Not certified					
Single analysis only -	Nickel (Ni)	[7440-02-0]	nr	%	Neutron activation analyses
Not certified					
Single analysis only -	Rubidium (Rb)	[7440-17-7]	0,00694	%	Neutron activation analyses
Not certified					
Single analysis only -	Samarium (Sm)	[7440-19-9]	0,000477	%	Neutron activation analyses
Not certified					
Single analysis only -	Scandium (Sc)	[7440-20-2]	0,00121	%	Neutron activation analyses
Not certified					
Single analysis only -	Selenium (Se)	[7782-49-2]	<0,0005	%	Neutron activation analyses
Not certified					
Single analysis only -	Sodium (Na)	[7440-23-5]	0,073	%	Neutron activation analyses

Not certified					tivation a nyses
Single analysis only -	Tantalum (Ta)	[7440-25-7]	<0,0001	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Tellurium (Te)	[13494-80-9]	<0,0005	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Terbium (Tb)	[7440-27-9]	nr	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Thorium (Th)	[7440-29-1]	0,000934	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Tin (Sn)	[7440-31-5]	nr	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Tungsten (W)	[7440-33-7]	0,000405	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Uranium (U)	[7440-61-1]	0,000512	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Ytterbium (Yb)	[7440-64-4]	0,000175	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Zinc (Zn)	[7440-66-6]	<0,01	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Zirconium (Zr)	[7440-67-7]	<0,05	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Calcium	[7440-70-2]	<1	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Potassium (K)	[7440-09-7]	1,23	%	Neutron ac tivation a nyses
Not certified					

Single analysis only - Not certified	Silver (Ag)	[7440-22-4]	<0,0005	%	Neutron activation analyses
Single analysis only - Not certified	Mercury (Hg)	[7439-97-6]	nr	%	Neutron activation analyses
Single analysis only - Not certified	Neodymium (Nd)	[7440-00-8]	nr	%	Neutron activation analyses
Single analysis only - Not certified	Strontium (Sr)	[7440-24-6]	nr	%	Neutron activation analyses
Indicative value	Iron (Fe)	[7439-89-6]	5	%	Fusion / X RF
Indicative value	SiO <sub>2</sub>		77,58	%	Fusion / X RF
Indicative value	Al <sub>2</sub> O <sub>3</sub>		6,75	%	Fusion / X RF
Indicative value	TiO <sub>2</sub>		0,4	%	Fusion / X RF
Indicative value	MnO		0,08	%	Fusion / X RF
Indicative value	CaO		0,55	%	Fusion / X RF
Indicative value	Phosphorus (P)	[7723-14-0]	0,094	%	Fusion / X RF
Indicative value	Sulfur (S)	[7704-34-9]	0,81	%	Fusion / X RF
Indicative value	MgO	[1309-48-4]	0,67	%	Fusion / X RF
Indicative value	K <sub>2</sub> O		1,71	%	Fusion / X RF
Indicative value	Na <sub>2</sub> O		0,1	%	Fusion / X RF
Indicative value	Loss on Ignition (L.O.I .)(1000 °C)		3,88	%	Fusion / X RF