

Certified Gold Reference Material (Run of mine ore samples)

Art. ID GEO-G321-9
 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]	2,83 ± 0,014	ppm	Fire Assay	
Certified value	Gold (Au)	[7440-57-5]	2,79 ± 0,031	ppm	Aqua Regia	
Single analysis only -	Antimony (Sb)	[7440-36-0]	0,00002	%	Neutron activation analyses	
Not certified						
Single analysis only -	Arsenic (As)	[7440-38-2]	<0,00005	%	Neutron activation analyses	
Not certified						
Single analysis only -	Barium (Ba)	[7440-39-3]	0,0373	%	Neutron activation analyses	
Not certified						
Single analysis only -	Bromine (Br)	[7726-95-6]	<0,0002	%	Neutron activation analyses	
Not certified						
Single analysis only -	Cadmium (Cd)	[7440-43-9]	<0,001	%	Neutron activation analyses	
Not certified						
Single analysis only -	Cerium (Ce)	[7440-45-1]	0,0036	%	Neutron activation analyses	
Not certified						
Single analysis only -	Caesium (Cs)	[7440-46-2]	0,0002	%	Neutron activation analyses	
Not certified						
Single analysis only -	Chromium (Cr)	[7440-47-3]	0,0105	%	Neutron activation analyses	
Not certified						
Single analysis only -	Cobalt (Co)	[7440-48-4]	0,0023	%	Neutron activation analyses	
Not certified						
Single analysis only -	Europium (Eu)	[7440-53-1]	0,00011	%	Neutron activation analyses	
Not certified						

nalyse					
Single analysis only -	Gold (Au)	[7440-57-5]	0,00029	%	Neutron activation analyses
Not certified					
Single analysis only -	Hafnium (Hf)	[7440-58-6]	<0,0005	%	Neutron activation analyses
Not certified					
Single analysis only -	Iridium (Ir)	[7439-88-5]	<0,000005	%	Neutron activation analyses
Not certified					
Single analysis only -	Iron (Fe)	[7439-89-6]	5,5	%	Neutron activation analyses
Not certified					
Single analysis only -	Lanthanum (La)	[7439-91-0]	0,002	%	Neutron activation analyses
Not certified					
Single analysis only -	Lutetium (Lu)	[7439-94-3]	0,00004	%	Neutron activation analyses
Not certified					
Single analysis only -	Molybdenum (Mo)	[7439-98-7]	<0,001	%	Neutron activation analyses
Not certified					
Single analysis only -	Nickel (Ni)	[7440-02-0]	0,0024	%	Neutron activation analyses
Not certified					
Single analysis only -	Rubidium (Rb)	[7440-17-7]	0,0081	%	Neutron activation analyses
Not certified					
Single analysis only -	Samarium (Sm)	[7440-19-9]	0,00045	%	Neutron activation analyses
Not certified					
Single analysis only -	Scandium (Sc)	[7440-20-2]	0,00192	%	Neutron activation analyses
Not certified					
Single analysis only -	Selenium (Se)	[7782-49-2]	<0,001	%	Neutron activation analyses
Not certified					
Single analysis only -	Sodium (Na)	[7440-23-5]	2,39	%	Neutron activation analyses

Not certified					tivation a nyses
Single analysis only -	Tantalum (Ta)	[7440-25-7]	0,0002	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Tellurium (Te)	[13494-80-9]	<0,002	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Terbium (Tb)	[7440-27-9]	0,0001	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Thorium (Th)	[7440-29-1]	0,00124	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Tin (Sn)	[7440-31-5]	<0,02	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Tungsten (W)	[7440-33-7]	<0,0002	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Uranium (U)	[7440-61-1]	0,0007	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Ytterbium (Yb)	[7440-64-4]	0,00028	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Zinc (Zn)	[7440-66-6]	<0,02	%	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]	nr	%	Neutron ac tivation a nyses
Not certified					
Single analysis only -	Potassium (K)	[7440-09-7]	nr	%	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]	5,12	%	Fusion / X RF
Indicative value	SiO ₂		62,68	%	Fusion / X RF
Indicative value	Al ₂ O ₃		14,04	%	Fusion / X RF
Indicative value	TiO ₂		1,07	%	Fusion / X RF
Indicative value	MnO		0,11	%	Fusion / X RF
Indicative value	CaO		5,64	%	Fusion / X RF
Indicative value	Phosphorus (P)	[7723-14-0]	0,052	%	Fusion / X RF
Indicative value	Sulfur (S)	[7704-34-9]	0,03	%	Fusion / X RF
Indicative value	MgO	[1309-48-4]	3,23	%	Fusion / X RF
Indicative value	K ₂ O		2	%	Fusion / X RF
Indicative value	Na ₂ O		3,22	%	Fusion / X RF
Indicative value	Loss on Ignition (L.O.I .)(1000 °C)		0,31	%	Fusion / X RF