

## Copper Ore, CRM, Powder 10g or 250g

Art. ID GEO-GBM319-1  
Unit Powder 10g or 250g

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified value	Nickel (Ni)	[7440-02-0]	0,008	%		
Certified value	Copper (Cu)	[7440-50-8]	1,5759	%		
Certified value	Zinc (Zn)	[7440-66-6]	0,045	%		
Certified value	Lead	[7439-92-1]	0,0061	%		
Certified value	Arsenic (As)	[7440-38-2]	0,0052	%		
Certified value	Cobalt (Co)	[7440-48-4]	0,0073	%		
Certified value	Silver (Ag)	[7440-22-4]	0,0000007	%		
Certified value	Nickel (Ni)	[7440-02-0]	0,0058	%	Partial Digest (AR etc.)	
Certified value	Copper (Cu)	[7440-50-8]	1,5899	%	Partial Digest (AR etc.)	
Certified value	Zinc (Zn)	[7440-66-6]	0,0418	%	Partial Digest (AR etc.)	
Certified value	Lead	[7439-92-1]	0,0062	%	Partial Digest (AR etc.)	
Certified value	Arsenic (As)	[7440-38-2]	0,0053	%	Partial Digest (AR etc.)	
Certified value	Cobalt (Co)	[7440-48-4]	0,0054	%	Partial Digest (AR etc.)	
Certified value	Silver (Ag)	[7440-22-4]	0,00073	%	Partial Digest (AR etc.)	
Single analysis only - Not certified	Antimony (Sb)	[7440-36-0]	0,00051	%	Neutron activation analyses	
Single analysis only -	Arsenic (As)	[7440-38-2]	0,00555	%	Neutron ac	

Not certified					tivation a nalyzes
Single analysis only - Not certified	Barium (Ba)	[7440-39-3]	0,0176	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Bromine (Br)	[7726-95-6]	<0,0002	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Cadmium (Cd)	[7440-43-9]	<0,001	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Cerium (Ce)	[7440-45-1]	0,0029	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Caesium (Cs)	[7440-46-2]	<0,0002	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Chromium (Cr)	[7440-47-3]	0,0182	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Cobalt (Co)	[7440-48-4]	0,0081	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Europium (Eu)	[7440-53-1]	0,00019	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Gold (Au)	[7440-57-5]	0,683	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Hafnium (Hf)	[7440-58-6]	<0,0005	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Iridium (Ir)	[7439-88-5]	<0,000005	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Iron (Fe)	[7439-89-6]	9,7	%	Neutron ac tivation a nalyzes

Single analysis only - Not certified	Lanthanum (La)	[7439-91-0]	0,0012	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Lutetium (Lu)	[7439-94-3]	0,00004	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Molybdenum (Mo)	[7439-98-7]	0,0201	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Nickel (Ni)	[7440-02-0]	0,009	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Rubidium (Rb)	[7440-17-7]	<0,002	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Samarium (Sm)	[7440-19-9]	0,00049	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Scandium (Sc)	[7440-20-2]	0,00301	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Selenium (Se)	[7782-49-2]	<0,001	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Sodium (Na)	[7440-23-5]	2,09	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Tantalum (Ta)	[7440-25-7]	<0,0002	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Tellurium (Te)	[13494-80-9]	<0,002	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Terbium (Tb)	[7440-27-9]	0,0001	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Thorium (Th)	[7440-29-1]	0,00023	%	Neutron ac tivation a

					nalyses
Single analysis only - Not certified	Tin	[7440-31-5]	<0,02	%	Neutron ac tivation a nalyses
Single analysis only - Not certified	Tungsten (W)	[7440-33-7]	<0,0005	%	Neutron ac tivation a nalyses
Single analysis only - Not certified	Uranium (U)	[7440-61-1]	<0,0001	%	Neutron ac tivation a nalyses
Single analysis only - Not certified	Ytterbium (Yb)	[7440-64-4]	0,0003	%	Neutron ac tivation a nalyses
Single analysis only - Not certified	Zinc (Zn)	[7440-66-6]	0,042	%	Neutron ac tivation a nalyses
Single analysis only - Not certified	Zirconium (Zr)	[7440-67-7]	<0,05	%	Neutron ac tivation a nalyses
Single analysis only - Not certified	Silver (Ag)	[7440-22-4]	0,0008	%	Neutron ac tivation a nalyses
Indicative value	Iron (Fe)	[7439-89-6]	9,73	%	Fusion / X RF
Indicative value	SiO <sub>2</sub>		49,15	%	Fusion / X RF
Indicative value	Al <sub>2</sub> O <sub>3</sub>		13,89	%	Fusion / X RF
Indicative value	TiO <sub>2</sub>		1,73	%	Fusion / X RF
Indicative value	MnO		0,15	%	Fusion / X RF
Indicative value	CaO		8,9	%	Fusion / X RF
Indicative value	Phosphorus (P)	[7723-14-0]	0,083	%	Fusion / X RF
Indicative value	Sulfur (S)	[7704-34-9]	2,18	%	Fusion / X RF

Indicative value	MgO	[1309-48-4]	4,96	%	Fusion / X RF
Indicative value	K <sub>2</sub> O		0,39	%	Fusion / X RF
Indicative value	Na <sub>2</sub> O		2,8	%	Fusion / X RF
Indicative value	Loss on Ignition (L.O.I ) (1000 °C)		1,3	%	