

Cu ore, Au <1 ppm, Au-Cu ore, Matrix: Granodiorite, Mineralisation Style: porphyry copper-gold - CERTIFIED REFERENCE MATERIAL

Art. ID OREAS-508-X
Unit on request
Deliverydetails No Dangerous Good /not restricted

Description

Certification Program includes: 1. Au by fire assay with AAS or ICP finish / 2. Au by aqua regia digestion (15-40g sample weight) with AAS or ICP finish / 3. Full elemental suite package by 4-acid digestion with ICP-OES and MS finish / 4. Full elemental suite package by aqua regia digestion with ICP-OES and MS finish

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Gold (Au)	[7440-57-5]	0,47	ppm	Pb Fire Assay	
	Copper (Cu)	[7440-50-8]	0,548		4-Acid Digestion	
	Molybdenum (Mo)	[7439-98-7]	152	ppm	4-Acid Digestion	
	Gold (Au)	[7440-57-5]	0,477	ppm	Aqua Regia Digestion (sample weights 10-50g)	
	Silver (Ag)	[7440-22-4]	1,4	ppm	4-Acid Digestion	
	Aluminium (Al)	[7429-90-5]	7,47		4-Acid Digestion	
	Arsenic (As)	[7440-38-2]	14,3	ppm	4-Acid Digestion	
	Barium (Ba)	[7440-39-3]	934	ppm	4-Acid Digestion	
	Beryllium (Be)	[7440-41-7]	2,44	ppm	4-Acid Digestion	
	Bismuth (Bi)	[7440-69-9]	1,13	ppm	4-Acid Digestion	
	Calcium (Ca)	[7440-70-2]	1,73		4-Acid Digestion	
	Cadmium (Cd)	[7440-43-9]	0,38	ppm	4-Acid Digestion	

Cerium (Ce)	[7440-45-1]	64	ppm	4-Acid Digestion
Cobalt (Co)	[7440-48-4]	9,42	ppm	4-Acid Digestion
Chromium (Cr)	[7440-47-3]	39,6	ppm	4-Acid Digestion
Caesium (Cs)	[7440-46-2]	8,37	ppm	4-Acid Digestion
Dysprosium (Dy)	[7429-91-6]	3,23	ppm	4-Acid Digestion
Erbium (Er)	[7440-52-0]	1,35	ppm	4-Acid Digestion
Europium (Eu)	[7440-53-1]	1,2	ppm	4-Acid Digestion
Iron (Fe)	[7439-89-6]	2,93		4-Acid Digestion
Gallium (Ga)	[7440-55-3]	18,7	ppm	4-Acid Digestion
Gadolinium (Gd)	[7440-54-2]	5,11	ppm	4-Acid Digestion
Hafnium (Hf)	[7440-58-6]	2,13	ppm	4-Acid Digestion
Holmium (Ho)	[7440-60-0]	0,52	ppm	4-Acid Digestion
Indium (In)	[7440-74-6]	0,17	ppm	4-Acid Digestion
Potassium (K)	[7440-09-7]	3,38		4-Acid Digestion
Lanthanum (La)	[7439-91-0]	30,8	ppm	4-Acid Digestion
Lithium (Li)	[7439-93-2]	43,8	ppm	4-Acid Digestion
Lutetium (Lu)	[7439-94-3]	0,18	ppm	4-Acid Digestion
Magnesium (Mg)	[7439-95-4]	0,694		4-Acid Digestion
Manganese (Mn)	[7439-96-5]	0,033		4-Acid Digestion

Sodium (Na)	[7440-23-5]	2,15		4-Acid Digestion
Niobium (Nb)	[7440-03-1]	10,8	ppm	4-Acid Digestion
Neodymium (Nd)	[7440-00-8]	29,3	ppm	4-Acid Digestion
Nickel (Ni)	[7440-02-0]	18,8	ppm	4-Acid Digestion
Phosphorus (P)	[7723-14-0]	0,085		4-Acid Digestion
Lead (Pb)	[7439-92-1]	41,7	ppm	4-Acid Digestion
Praseodymium (Pr)	[7440-10-0]	7,33	ppm	4-Acid Digestion
Rubidium (Rb)	[7440-17-7]	139	ppm	4-Acid Digestion
Rhenium (Re)	[7440-15-5]	0,025	ppm	4-Acid Digestion
Sulfur (S)	[7704-34-9]	0,814		4-Acid Digestion
Antimony (Sb)	[7440-36-0]	183	ppm	4-Acid Digestion
Scandium (Sc)	[7440-20-2]	7,47	ppm	4-Acid Digestion
Selenium (Se)	[7782-49-2]	6,16	ppm	4-Acid Digestion
Samarium (Sm)	[7440-19-9]	5,75	ppm	4-Acid Digestion
Tin (Sn)	[7440-31-5]	4,11	ppm	4-Acid Digestion
Strontium (Sr)	[7440-24-6]	299	ppm	4-Acid Digestion
Tantalum (Ta)	[7440-25-7]	1	ppm	4-Acid Digestion
Terbium (Tb)	[7440-27-9]	0,64	ppm	4-Acid Digestion
Tellurium (Te)	[13494-80-9]	0,39	ppm	4-Acid Digestion

Thorium (Th)	[7440-29-1]	11,7	ppm	4-Acid Digestion
Titanium (Ti)	[7440-32-6]	0,313		4-Acid Digestion
Thallium (Tl)	[7440-28-0]	0,79	ppm	4-Acid Digestion
Thulium (Tm)	[7440-30-4]	0,18	ppm	4-Acid Digestion
Uranium (U)	[7440-61-1]	3,37	ppm	4-Acid Digestion
Vanadium (V)	[7440-62-2]	65	ppm	4-Acid Digestion
Tungsten (W)	[7440-33-7]	9,55	ppm	4-Acid Digestion
Yttrium (Y)	[7440-65-5]	13,9	ppm	4-Acid Digestion
Ytterbium (Yb)	[7440-64-4]	1,13	ppm	4-Acid Digestion
Zinc (Zn)	[7440-66-6]	132	ppm	4-Acid Digestion
Zirconium (Zr)	[7440-67-7]	69	ppm	4-Acid Digestion
Silver (Ag)	[7440-22-4]	1,35	ppm	Aqua Regia Digestion
Aluminium (Al)	[7429-90-5]	1,7		Aqua Regia Digestion
Arsenic (As)	[7440-38-2]	14,2	ppm	Aqua Regia Digestion
Boron (B)	[7440-42-8]	< 10,0	ppm	Aqua Regia Digestion
Beryllium (Be)	[7440-41-7]	1,37	ppm	Aqua Regia Digestion
Bismuth (Bi)	[7440-69-9]	1,17	ppm	Aqua Regia Digestion
Calcium (Ca)	[7440-70-2]	0,747		Aqua Regia Digestion
Cadmium (Cd)	[7440-43-9]	0,31	ppm	Aqua Regia Digestion

Cerium (Ce)	[7440-45-1]	27,7	ppm	Aqua Regia Digestion
Cobalt (Co)	[7440-48-4]	9,53	ppm	Aqua Regia Digestion
Chromium (Cr)	[7440-47-3]	45,9	ppm	Aqua Regia Digestion
Caesium (Cs)	[7440-46-2]	7,08	ppm	Aqua Regia Digestion
Copper (Cu)	[7440-50-8]	0,549		Aqua Regia Digestion
Iron (Fe)	[7439-89-6]	2,83		Aqua Regia Digestion
Gallium (Ga)	[7440-55-3]	7,98	ppm	Aqua Regia Digestion
Germanium (Ge)	[7440-56-4]	0,088	ppm	Aqua Regia Digestion
Hafnium (Hf)	[7440-58-6]	0,33	ppm	Aqua Regia Digestion
Mercury (Hg)	[7439-97-6]	0,031	ppm	Aqua Regia Digestion
Indium (In)	[7440-74-6]	0,17	ppm	Aqua Regia Digestion
Potassium (K)	[7440-09-7]	0,844		Aqua Regia Digestion
Lanthanum (La)	[7439-91-0]	12,8	ppm	Aqua Regia Digestion
Lithium (Li)	[7439-93-2]	34,7	ppm	Aqua Regia Digestion
Magnesium (Mg)	[7439-95-4]	0,655		Aqua Regia Digestion
Manganese (Mn)	[7439-96-5]	0,028		Aqua Regia Digestion
Molybdenum (Mo)	[7439-98-7]	147	ppm	Aqua Regia Digestion
Sodium (Na)	[7440-23-5]	0,128		Aqua Regia Digestion
Niobium (Nb)	[7440-03-1]	0,87	ppm	Aqua Regia Digestion

Nickel (Ni)	[7440-02-0]	18,9	ppm	Aqua Regia Digestion
Phosphorus (P)	[7723-14-0]	0,067		Aqua Regia Digestion
Lead (Pb)	[7439-92-1]	27,6	ppm	Aqua Regia Digestion
Rubidium (Rb)	[7440-17-7]	81	ppm	Aqua Regia Digestion
Rhenium (Re)	[7440-15-5]	0,024	ppm	Aqua Regia Digestion
Sulfur (S)	[7704-34-9]	0,818		Aqua Regia Digestion
Antimony (Sb)	[7440-36-0]	152	ppm	Aqua Regia Digestion
Scandium (Sc)	[7440-20-2]	6,65	ppm	Aqua Regia Digestion
Selenium (Se)	[7782-49-2]	5,84	ppm	Aqua Regia Digestion
Tin (Sn)	[7440-31-5]	2,9	ppm	Aqua Regia Digestion
Strontium (Sr)	[7440-24-6]	104	ppm	Aqua Regia Digestion
Tantalum (Ta)	[7440-25-7]	< 0,010	ppm	Aqua Regia Digestion
Terbium (Tb)	[7440-27-9]	0,41	ppm	Aqua Regia Digestion
Tellurium (Te)	[13494-80-9]	0,39	ppm	Aqua Regia Digestion
Thorium (Th)	[7440-29-1]	4,99	ppm	Aqua Regia Digestion
Titanium (Ti)	[7440-32-6]	0,216		Aqua Regia Digestion
Thallium (Tl)	[7440-28-0]	0,51	ppm	Aqua Regia Digestion
Uranium (U)	[7440-61-1]	2,86	ppm	Aqua Regia Digestion
Vanadium (V)	[7440-62-2]	55	ppm	Aqua Regia Digestion

Tungsten (W)	[7440-33-7]	6,05	ppm	Aqua Regia Digestion
Yttrium (Y)	[7440-65-5]	9,47	ppm	Aqua Regia Digestion
Ytterbium (Yb)	[7440-64-4]	0,7	ppm	Aqua Regia Digestion
Zinc (Zn)	[7440-66-6]	128	ppm	Aqua Regia Digestion
Zirconium (Zr)	[7440-67-7]	8,87	ppm	Aqua Regia Digestion