

Au >1 ppm, Concentrates, Cu ore, Au-Cu ore, Au-Ag ore, Matrix: sulphide, Mineralisation Style: porphyry copper-gold

Art. ID OREAS-993b-50G
Unit 50 g
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Copper (Cu)	[7440-50-8]	23,45 ± 0,056	wt. %	Classical Wet Chemistry	
	Gold (Au)	[7440-57-5]	33,32 ± 0,564	ppm	Pb Fire Assay (full corrections)	
	Silver (Ag)	[7440-22-4]	40,6 ± 1,55	ppm	Acid Digestion (no HF)	
	Gold (Au)	[7440-57-5]	33,65 ± 1,301	ppm	Pb Fire Assay	
	Palladium (Pd)	[7440-05-3]	309 ± 14	ppb	Pb Fire Assay	
	Platinum (Pt)	[7440-06-4]	44,2 ± 4,9	ppb	Pb Fire Assay	
	Al ₂ O ₃		3,53 ± 0,111	wt. %	Oxidising Fusion XRF	
	CaO		1,16 ± 0,054	wt. %	Oxidising Fusion XRF	
	Cobalt (Co)	[7440-48-4]	193 ± 15	ppm	Oxidising Fusion XRF	
	Copper (Cu)	[7440-50-8]	23,61 ± 0,297	wt. %	Oxidising Fusion XRF	
	Iron (Fe)	[7439-89-6]	24,63 ± 0,711	wt. %	Oxidising Fusion XRF	
	K ₂ O		0,842 ± 0,022	wt. %	Oxidising Fusion XRF	
	MgO	[1309-48-4]	0,734 ± 0,032	wt. %	Oxidising Fusion XRF	

Molybdenum (Mo)	[7439-98-7]	0,225 ± 0,017	wt. %	Oxidising Fusion XRF
Nickel (Ni)	[7440-02-0]	233 ± 37	ppm	Oxidising Fusion XRF
Phosphorus (P)	[7723-14-0]	0,028 ± 0,003	wt. %	Oxidising Fusion XRF
Sulfur (S)	[7704-34-9]	29,57 ± 0,633	wt. %	Oxidising Fusion XRF
SiO ₂		11,54 ± 0,569	wt. %	Oxidising Fusion XRF
Tin (Sn)	[7440-31-5]	< 100	ppm	Oxidising Fusion XRF
TiO ₂		0,202 ± 0,013	wt. %	Oxidising Fusion XRF
Tungsten (W)	[7440-33-7]	< 10,0	ppm	Oxidising Fusion XRF
Zinc (Zn)	[7440-66-6]	0,332 ± 0,016	wt. %	Oxidising Fusion XRF
Loss on Ignition (L.O.I.) (1000 °C)		15,21 ± 0,194	wt. %	Thermograv imetry
Sulfur (S)	[7704-34-9]	29,67 ± 0,722	wt. %	Infrared C ombustion
Mercury (Hg)	[7439-97-6]	1,07 ± 0,069	ppm	Aqua Regia Digestion
Fluorine (F)	[7782-41-4]	657 ± 28	ppm	Ion Select ive Electr ode
Silver (Ag)	[7440-22-4]	40,4 ± 1,26	ppm	4-Acid Dig estion
Arsenic (As)	[7440-38-2]	103 ± 9	ppm	4-Acid Dig estion
Barium (Ba)	[7440-39-3]	96 ± 20	ppm	4-Acid Dig estion
Beryllium (Be)	[7440-41-7]	< 0,50	ppm	4-Acid Dig estion
Bismuth (Bi)	[7440-69-9]	22,9 ± 1,92	ppm	4-Acid Dig estion
Calcium (Ca)	[7440-70-2]	0,827 ± 0,024	wt. %	4-Acid Dig

					estion
Cadmium (Cd)	[7440-43-9]	15 ± 1,11	ppm	4-Acid Dig	estion
Cerium (Ce)	[7440-45-1]	16,8 ± 1,03	ppm	4-Acid Dig	estion
Cobalt (Co)	[7440-48-4]	154 ± 7	ppm	4-Acid Dig	estion
Chromium (Cr)	[7440-47-3]	57 ± 4,9	ppm	4-Acid Dig	estion
Caesium (Cs)	[7440-46-2]	0,65 ± 0,039	ppm	4-Acid Dig	estion
Copper (Cu)	[7440-50-8]	23,58 ± 0,256	wt.%	4-Acid Dig	estion
Dysprosium (Dy)	[7429-91-6]	1,05 ± 0,092	ppm	4-Acid Dig	estion
Erbium (Er)	[7440-52-0]	0,6 ± 0,047	ppm	4-Acid Dig	estion
Iron (Fe)	[7439-89-6]	24,53 ± 0,581	wt.%	4-Acid Dig	estion
Gallium (Ga)	[7440-55-3]	4,14 ± 0,272	ppm	4-Acid Dig	estion
Gadolinium (Gd)	[7440-54-2]	1,3 ± 0,14	ppm	4-Acid Dig	estion
Germanium (Ge)	[7440-56-4]	0,45 ± 0,18	ppm	4-Acid Dig	estion
Hafnium (Hf)	[7440-58-6]	0,71 ± 0,067	ppm	4-Acid Dig	estion
Holmium (Ho)	[7440-60-0]	0,2 ± 0,007	ppm	4-Acid Dig	estion
Indium (In)	[7440-74-6]	1,45 ± 0,037	ppm	4-Acid Dig	estion
Potassium (K)	[7440-09-7]	0,668 ± 0,035	wt.%	4-Acid Dig	estion
Lanthanum (La)	[7439-91-0]	10,2 ± 0,69	ppm	4-Acid Dig	estion
Lithium (Li)	[7439-93-2]	23,7 ± 1,19	ppm	4-Acid Dig	estion
Magnesium (Mg)	[7439-95-4]	0,443 ± 0,028	wt.%	4-Acid Dig	

					estion
Manganese (Mn)	[7439-96-5]	0,014 ± 0,001	wt. %	4-Acid Dig	estion
Molybdenum (Mo)	[7439-98-7]	0,219 ± 0,014	wt. %	4-Acid Dig	estion
Sodium (Na)	[7440-23-5]	0,43 ± 0,012	wt. %	4-Acid Dig	estion
Niobium (Nb)	[7440-03-1]	1,87 ± 0,156	ppm	4-Acid Dig	estion
Neodymium (Nd)	[7440-00-8]	7,32 ± 0,469	ppm	4-Acid Dig	estion
Nickel (Ni)	[7440-02-0]	256 ± 10	ppm	4-Acid Dig	estion
Phosphorus (P)	[7723-14-0]	0,02 ± 0,002	wt. %	4-Acid Dig	estion
Lead (Pb)	[7439-92-1]	469 ± 27	ppm	4-Acid Dig	estion
Praseodymium (Pr)	[7440-10-0]	1,94 ± 0,187	ppm	4-Acid Dig	estion
Rubidium (Rb)	[7440-17-7]	22,9 ± 1,05	ppm	4-Acid Dig	estion
Rhenium (Re)	[7440-15-5]	4,54 ± 0,62	ppm	4-Acid Dig	estion
Sulfur (S)	[7704-34-9]	27,19 ± 2,186	wt. %	4-Acid Dig	estion
Antimony (Sb)	[7440-36-0]	49,1 ± 4,77	ppm	4-Acid Dig	estion
Scandium (Sc)	[7440-20-2]	5,75 ± 0,497	ppm	4-Acid Dig	estion
Selenium (Se)	[7782-49-2]	189 ± 18	ppm	4-Acid Dig	estion
Tin (Sn)	[7440-31-5]	1,96 ± 0,146	ppm	4-Acid Dig	estion
Strontium (Sr)	[7440-24-6]	159 ± 6	ppm	4-Acid Dig	estion
Tantalum (Ta)	[7440-25-7]	0,099 ± 0,011	ppm	4-Acid Dig	estion
Terbium (Tb)	[7440-27-9]	0,19 ± 0,013	ppm	4-Acid Dig	

					estion
Tellurium (Te)	[13494-80-9]	9,94 ± 0,981	ppm	4-Acid Dig	estion
Thorium (Th)	[7440-29-1]	2,05 ± 0,1	ppm	4-Acid Dig	estion
Titanium (Ti)	[7440-32-6]	0,118 ± 0,004	wt. %	4-Acid Dig	estion
Thallium (Tl)	[7440-28-0]	0,29 ± 0,023	ppm	4-Acid Dig	estion
Uranium (U)	[7440-61-1]	0,8 ± 0,069	ppm	4-Acid Dig	estion
Vanadium (V)	[7440-62-2]	63 ± 4	ppm	4-Acid Dig	estion
Tungsten (W)	[7440-33-7]	2,47 ± 0,171	ppm	4-Acid Dig	estion
Yttrium (Y)	[7440-65-5]	5,63 ± 0,29	ppm	4-Acid Dig	estion
Ytterbium (Yb)	[7440-64-4]	0,58 ± 0,06	ppm	4-Acid Dig	estion
Zinc (Zn)	[7440-66-6]	0,332 ± 0,017	wt. %	4-Acid Dig	estion
Zirconium (Zr)	[7440-67-7]	27,3 ± 1,72	ppm	4-Acid Dig	estion
Silver (Ag)	[7440-22-4]	38,9 ± 3,29	ppm	3-Acid Dig	estion (no HF)
Arsenic (As)	[7440-38-2]	107 ± 8	ppm	3-Acid Dig	estion (no HF)
Cobalt (Co)	[7440-48-4]	151 ± 6	ppm	3-Acid Dig	estion (no HF)
Nickel (Ni)	[7440-02-0]	253 ± 17	ppm	3-Acid Dig	estion (no HF)
Lead (Pb)	[7439-92-1]	465 ± 29	ppm	3-Acid Dig	estion (no HF)

Zinc (Zn)

[7440-66-6]

0,342 ± 0,016

wt. %

3-Acid Dig
estion (no