

Certified Reference Material: Copper Sulphide Concentrate

Art. ID OREAS-995-50G
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]	22,7	%	Classical Wet Chemis try	
	Gold (Au)	[7440-57-5]	4,52	ppm	Pb Fire As say	
	Silver (Ag)	[7440-22-4]	37,3	ppm	4-Acid Dig estion	
	Aluminium (Al)	[7429-90-5]	0,243	%	4-Acid Dig estion	
	Arsenic (As)	[7440-38-2]	1277	ppm	4-Acid Dig estion	
	Barium (Ba)	[7440-39-3]	9,25	ppm	4-Acid Dig estion	
	Beryllium (Be)	[7440-41-7]	< 0,05	ppm	4-Acid Dig estion	
	Bismuth (Bi)	[7440-69-9]	90	ppm	4-Acid Dig estion	
	Calcium (Ca)	[7440-70-2]	0,351	%	4-Acid Dig estion	
	Cadmium (Cd)	[7440-43-9]	32,9	ppm	4-Acid Dig estion	
	Cerium (Ce)	[7440-45-1]	2,19	ppm	4-Acid Dig estion	
	Cobalt (Co)	[7440-48-4]	357	ppm	4-Acid Dig estion	
	Chromium (Cr)	[7440-47-3]	28,1	ppm	4-Acid Dig estion	
	Caesium (Cs)	[7440-46-2]	0,25	ppm	4-Acid Dig estion	
	Copper (Cu)	[7440-50-8]	22,6	%	4-Acid Dig estion	

Iron (Fe)	[7439-89-6]	28,91	%	4-Acid Digestion
Gallium (Ga)	[7440-55-3]	5,08	ppm	4-Acid Digestion
Hafnium (Hf)	[7440-58-6]	0,22	ppm	4-Acid Digestion
Indium (In)	[7440-74-6]	23	ppm	4-Acid Digestion
Lanthanum (La)	[7439-91-0]	1,19	ppm	4-Acid Digestion
Lithium (Li)	[7439-93-2]	0,91	ppm	4-Acid Digestion
Magnesium (Mg)	[7439-95-4]	0,731	%	4-Acid Digestion
Manganese (Mn)	[7439-96-5]	0,02	%	4-Acid Digestion
Molybdenum (Mo)	[7439-98-7]	65	ppm	4-Acid Digestion
Sodium (Na)	[7440-23-5]	0,029	%	4-Acid Digestion
Niobium (Nb)	[7440-03-1]	0,36	ppm	4-Acid Digestion
Nickel (Ni)	[7440-02-0]	12,3	ppm	4-Acid Digestion
Lead (Pb)	[7439-92-1]	2697	ppm	4-Acid Digestion
Rubidium (Rb)	[7440-17-7]	1,81	ppm	4-Acid Digestion
Rhenium (Re)	[7440-15-5]	0,16	ppm	4-Acid Digestion
Sulfur (S)	[7704-34-9]	29,02	%	4-Acid Digestion
Antimony (Sb)	[7440-36-0]	34,9	ppm	4-Acid Digestion
Scandium (Sc)	[7440-20-2]	0,81	ppm	4-Acid Digestion
Selenium (Se)	[7782-49-2]	270	ppm	4-Acid Digestion

Tin (Sn)	[7440-31-5]	17,5	ppm	4-Acid Digestion
Strontium (Sr)	[7440-24-6]	6,36	ppm	4-Acid Digestion
Tantalum (Ta)	[7440-25-7]	< 0,05	ppm	4-Acid Digestion
Tellurium (Te)	[13494-80-9]	56	ppm	4-Acid Digestion
Thorium (Th)	[7440-29-1]	0,3	ppm	4-Acid Digestion
Titanium (Ti)	[7440-32-6]	0,012	%	4-Acid Digestion
Thallium (Tl)	[7440-28-0]	1,53	ppm	4-Acid Digestion
Uranium (U)	[7440-61-1]	1,11	ppm	4-Acid Digestion
Tungsten (W)	[7440-33-7]	2,44	ppm	4-Acid Digestion
Yttrium (Y)	[7440-65-5]	1,65	ppm	4-Acid Digestion
Zinc (Zn)	[7440-66-6]	1,29	%	4-Acid Digestion
Zirconium (Zr)	[7440-67-7]	9,09	ppm	4-Acid Digestion
Aluminium (Al)	[7429-90-5]	0,243	%	Peroxide Fusion ICP
Arsenic (As)	[7440-38-2]	1356	ppm	Peroxide Fusion ICP
Beryllium (Be)	[7440-41-7]	< 1	ppm	Peroxide Fusion ICP
Bismuth (Bi)	[7440-69-9]	88	ppm	Peroxide Fusion ICP
Calcium (Ca)	[7440-70-2]	0,389	%	Peroxide Fusion ICP
Cadmium (Cd)	[7440-43-9]	36,9	ppm	Peroxide Fusion ICP
Cerium (Ce)	[7440-45-1]	2,27	ppm	Peroxide Fusion ICP

Cobalt (Co)	[7440-48-4]	349	ppm	Peroxide F usion ICP
Copper (Cu)	[7440-50-8]	22,79	%	Peroxide F usion ICP
Iron (Fe)	[7439-89-6]	28,98	%	Peroxide F usion ICP
Gallium (Ga)	[7440-55-3]	4,97	ppm	Peroxide F usion ICP
Gadolinium (Gd)	[7440-54-2]	0,19	ppm	Peroxide F usion ICP
Indium (In)	[7440-74-6]	24,4	ppm	Peroxide F usion ICP
Lanthanum (La)	[7439-91-0]	1,23	ppm	Peroxide F usion ICP
Magnesium (Mg)	[7439-95-4]	0,793	%	Peroxide F usion ICP
Manganese (Mn)	[7439-96-5]	0,02	%	Peroxide F usion ICP
Molybdenum (Mo)	[7439-98-7]	65	ppm	Peroxide F usion ICP
Lead (Pb)	[7439-92-1]	2883	ppm	Peroxide F usion ICP
Praseodymium (Pr)	[7440-10-0]	0,23	ppm	Peroxide F usion ICP
Rubidium (Rb)	[7440-17-7]	2,18	ppm	Peroxide F usion ICP
Rhenium (Re)	[7440-15-5]	0,19	ppm	Peroxide F usion ICP
Sulfur (S)	[7704-34-9]	31,18	%	Peroxide F usion ICP
Antimony (Sb)	[7440-36-0]	38,2	ppm	Peroxide F usion ICP
Selenium (Se)	[7782-49-2]	269	ppm	Peroxide F usion ICP
Silicon (Si)	[7440-21-3]	2,14	%	Peroxide F usion ICP
Tin (Sn)	[7440-31-5]	48,9	ppm	Peroxide F usion ICP

Tellurium (Te)	[13494-80-9]	55	ppm	Peroxide Fusion ICP
Thorium (Th)	[7440-29-1]	0,29	ppm	Peroxide Fusion ICP
Titanium (Ti)	[7440-32-6]	0,011	%	Peroxide Fusion ICP
Thallium (Tl)	[7440-28-0]	1,53	ppm	Peroxide Fusion ICP
Uranium (U)	[7440-61-1]	1,24	ppm	Peroxide Fusion ICP
Tungsten (W)	[7440-33-7]	2,58	ppm	Peroxide Fusion ICP
Yttrium (Y)	[7440-65-5]	1,81	ppm	Peroxide Fusion ICP
Zinc (Zn)	[7440-66-6]	1,34	%	Peroxide Fusion ICP
Sulfur (S)	[7704-34-9]	31,53	%	Infrared Combustion
Fluorine (F)	[7782-41-4]	175	ppm	Ion Selective Electrode