

Certified Reference Material for Copper-Molybdenum Ore

Art. ID	CANMET-HV-2a
Unit	200 g
Deliverydetails	No Dangerous Good /not restricted

Description

HV-2a is suitable for the analysis of copper and molybdenum and various other elements in ores in concentrations ranging from major, minor to trace levels. Examples of intended use include quality control and method development. The mineral species include: quartz (38.0%), albite (35.2%), muscovite (17.5%), calcite (2.1%), epidote (1.5%), kaolinite (1.3%), various other silicates in minor amounts (1.2%), magnetite (1.0%), chalcopyrite (0.5%), bornite (0.4%), ankerite and apatite (each at 0.3%), diopside, siderite and titanite (each at 0.2%), pyrite (0.1%) and hypersthene (0.03%).

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Silver (Ag)	[7440-22-4]	1,448	µg/g		
	Aluminium (Al)	[7429-90-5]	7,96	%		
	Arsenic (As)	[7440-38-2]	12,1	µg/g		
	Barium (Ba)	[7440-39-3]	869	µg/g		
	Calcium (Ca)	[7440-70-2]	1,891	%		
	Cerium (Ce)	[7440-45-1]	19,1	µg/g		
	Cobalt (Co)	[7440-48-4]	3,4	µg/g		
	Chromium (Cr)	[7440-47-3]	100	µg/g		
	Caesium (Cs)	[7440-46-2]	2,7	µg/g		
	Copper (Cu)	[7440-50-8]	0,3808	%		
	Dysprosium (Dy)	[7429-91-6]	1,126	µg/g		
	Erbium (Er)	[7440-52-0]	0,646	µg/g		
	Iron (Fe)	[7439-89-6]	2,044	%		
	Gallium (Ga)	[7440-55-3]	19,56	µg/g		
	Gadolinium (Gd)	[7440-54-2]	1,4	µg/g		
	Potassium (K)	[7440-09-7]	2,31	%		
	Lanthanum (La)	[7439-91-0]	9,1	µg/g		
	Magnesium (Mg)	[7439-95-4]	0,329	%		
	Manganese (Mn)	[7439-96-5]	545	µg/g		
	Molybdenum (Mo)	[7439-98-7]	125,4	µg/g		
	Sodium (Na)	[7440-23-5]	2,335	%		
	Neodymium (Nd)	[7440-00-8]	8,77	µg/g		
	Nickel (Ni)	[7440-02-0]	6,47	µg/g		
	Phosphorus (P)	[7723-14-0]	0,0427	%		
	Lead (Pb)	[7439-92-1]	6,9	µg/g		
	Rubidium (Rb)	[7440-17-7]	48,3	µg/g		

Sulfur (S)	[7704-34-9]	0,344	%
Antimony (Sb)	[7440-36-0]	0,689	µg/g
Silicon (Si)	[7440-21-3]	31,34	%
Samarium (Sm)	[7440-19-9]	1,69	µg/g
Strontium (Sr)	[7440-24-6]	472	µg/g
Thorium (Th)	[7440-29-1]	1,28	µg/g
Titanium (Ti)	[7440-32-6]	0,128	µg/g
Uranium (U)	[7440-61-1]	1,08	µg/g
Zinc (Zn)	[7440-66-6]	56,5	µg/g