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Nickel-Copper-Cobalt Ore

Art. ID	CANMET-SU-1b
Unit	200 g
Deliverydetails	No Dangerous Good /not restricted

Description

CANMET-SU-1b is a nickel-copper-cobalt ore from Copper Cliff, Ontario, Canada. The mineral species include: pyrrhotite (24.4 %), plagioclase (21.8 %), quartz (11.0 %), magnetite (7.3 %), ferrohornblende (6.7 %), pentlandite (5.4 %), clinochlore (5.2 %), K-feldspar (4.5 %), chalcopyrite (3.3 %), pyrite (3.2 %), enstatite (1.5 %), epidote (1.3 %), augite (1.0 %), biotite (1.0 %), talc (0.6 %), various other minor silicates (0.5 %), actinolite (0.4 %), hypersthene, ilmenite and titanite, all at 0.2 %, and barite, berthierine, dolomite and lizardite, all at 0.1 %. CANMET-SU-1b is suitable for the analysis of nickel, copper, cobalt, platinum, palladium and various other elements at major, minor and trace levels in ores. Examples of intended use include quality control and method development.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Silver (Ag)	[7440-22-4]	6,39	µg/g		
excludes digestions with two acids (usually nitric and hydrochloric) as statistical outliers	Aluminium (Al)	[7429-90-5]	4,3	%		
	Arsenic (As)	[7440-38-2]	2,49	µg/g		
excludes digestions with two acids (usually nitric and hydrochloric) as statistical outliers	Calcium (Ca)	[7440-70-2]	2,21	%		
	Cobalt (Co)	[7440-48-4]	0,0672	%		
	Copper (Cu)	[7440-50-8]	1,185	%		
	Iron (Fe)	[7439-89-6]	25,54	%		
excludes digestions with two acids (usually nitric and hydrochloric) as statistical outliers	Magnesium (Mg)	[7439-95-4]	1,79	%		
excludes digestions with two acids (usually nitric and hydrochloric) as statistical outliers	Manganese (Mn)	[7439-96-5]	0,0703	%		
	Nickel (Ni)	[7440-02-0]	1,953	%		
	Lead (Pb)	[7439-92-1]	58	µg/g		
	Palladium (Pd)	[7440-05-3]	0,791	µg/g		
	Platinum (Pt)	[7440-06-4]	0,491	µg/g		

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	Sulfur (S)	[7704-34-9]	14,14	%
fusions only	Silicon (Si)	[7440-21-3]	15,23	%
	Zinc (Zn)	[7440-66-6]	235	µg/g