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Copper-Nickel Sulphide Concentrate with Noble Metals

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

Description

(a) most sets involve some type of fire assay pre-concentration/ (b) the data includes sets using titration and e/ectrogravimetric methods/ (c) the data includes sets using instrumental techniques such as atomic absorption spectrometry,inductively coupled plasma - optical emission spectrometry, inductively coupled plasma - mass spectrometry, X-ray fluorescence, and, for copper only, instrumental neutron activation analysis/ (d) samples of 1 to 10 grams were dried for 1 to 60 hours at 100 to 110°C/ (c) sets using digestion by two acids (hydrochloric and nitric) or three acids (hydrochloric, nitric and hydrofluoric) were excluded as method outliers based on statistical tests/ (f) the data includes sets using titration, electrogravimetric and dimethylglyoxime methods (g) digestion using four acids (hydrochloric, nitric, hydrofluoric and perchloric), various fusion and combustion methods were used/ (h) all sets used a fusion for the preparation

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Silver (Ag)	[7440-22-4]	53,1	µg/g		
	Arsenic (As)	[7440-38-2]	222	µg/g		
(a)	Gold (Au)	[7440-57-5]	1,99	µg/g		
	Cobalt (Co)	[7440-48-4]	0,3253	µg/g		
classical (b)	Copper (Cu)	[7440-50-8]	7,919	%		
instrumental (c)	Copper (Cu)	[7440-50-8]	7,97	%		
	Iron (Fe)	[7439-89-6]	36,78	%		
(d)	Moisture		0,81	%		
no AD2,3 (e)	Magnesium (Mg)	[7439-95-4]	0,441	%		
classical (f)	Nickel (Ni)	[7440-02-0]	11,256	%		
instrumental (c)	Nickel (Ni)	[7440-02-0]	11,29	%		
	Lead (Pb)	[7439-92-1]	0,0795	%		
(a)	Palladium (Pd)	[7440-05-3]	9,46	µg/g		
(a)	Platinum (Pt)	[7440-06-4]	6,47	µg/g		
(g)	Sulfur (S)	[7704-34-9]	29,95	%		
(g)	Silicon (Si)	[7440-21-3]	2,468	%		
	Zinc (Zn)	[7440-66-6]	0,2083	%		