

## Certified Reference Material for a Copper Concentrate

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

### Description

CU-1f is a copper concentrate donated by Hudbay Minerals Inc., from the mill in Flin Flon, Manitoba, Canada. The mineral species include: chalcopyrite (74.19%), pyrite (15.17%), sphalerite (3.64), Fe-Cu sulphides-mixture (1.17), enstatite (0.77%), other silicates (0.41%), Fe-oxide (0.33%), quartz (0.20%), gypsum (0.17%), chlorite-clinoclone (0.16%), galena (0.16%), aluminosilicates-mixture (0.07%), fayalite (0.04%), albite (0.04%), muscovite (0.02%), epidote (0.01%), unclassified (3.44%).

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Value	Silver (Ag)	[7440-22-4]	157	µg/g		
Certified Value	Al non AD2		0,1203	%		
Certified Value	Arsenic (As)	[7440-38-2]	0,0821	%		
Certified Value	Gold (Au)	[7440-57-5]	19,08	µg/g		
Certified Value	Calcium (Ca)	[7440-70-2]	0,14	%		
Certified Value	Cadmium (Cd)	[7440-43-9]	110,2	µg/g		
Certified Value	Cobalt (Co)	[7440-48-4]	304,2	µg/g		
Certified Value	Cu as-received, classic al		23,33	%		
Certified Value	Cu dry-mass Calculated correction, classical		23,56	%		
Certified Value	Cu as-received, instrum ental		23,31	%		
Certified Value	Fe non TITN		29,5	%		
Certified Value	Mercury (Hg)	[7439-97-6]	12,19	µg/g		
Certified Value	Mg non AD2		0,383	%		
Certified Value	Manganese (Mn)	[7439-96-5]	82,9	µg/g		
Certified Value	Lead (Pb)	[7439-92-1]	0,2095	%		
Certified Value	S COMB		34,82	%		
Certified Value	S non COMB		34,96	%		
Certified Value	Antimony (Sb)	[7440-36-0]	85,5	µg/g		
Certified Value	SiO2		2,015	%		
Certified Value	Tellurium (Te)	[13494-80-9]	49,9	µg/g		
Certified Value	Thallium (Tl)	[7440-28-0]	1,51	µg/g		
Certified Value	Zinc (Zn)	[7440-66-6]	4,085	%		