

## **Gold Ore**

Art. ID	CANMET-DS-1
Unit	400 g
Deliverydetails	No Dangerous Good /not restricted

### Description

CANMET-DS-1 is a gold ore from the Deep Star mine in Carlin Mine Complex, Nevada, USA. The mineral species include: quartz (35.5%), feldspars (mainly K-feldspars and lower proportions of albite at 13.6%), dolomite (15.5%), mixed clays (7.5%), mica (mainly muscovite, lower proportions of biotite, trace phlogopite at 6.5%), ankerite (8.5%), pyrite (3.9%), kaolinite (2.8%), calcite (2.4%), pyrrhotite (1.3%), arsenopyrite (0.9%), jarosite (0.5%), garnet (0.3%), gypsum (0.1%), barite (0.2%), apatite, pyrophyllite, realgar, rutile and siderite at 0.1%, and magnetite, sphalerite and wollastonite at trace levels. CANMET-DS-1 is suitable for the analysis of gold and various other elements at major, minor and trace levels in gold 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]	0,47	µg/g		
	Aluminium (Al)	[7429-90-5]	4,48	%		
	Arsenic (As)	[7440-38-2]	6960	µg/g		
	Gold (Au)	[7440-57-5]	32,59	µg/g		
	Barium (Ba)	[7440-39-3]	221	µg/g		
	Cobalt (Co)	[7440-48-4]	9,5	µg/g		
	Copper (Cu)	[7440-50-8]	27,1	µg/g		
	Mercury (Hg)	[7439-97-6]	82	µg/g		
	Magnesium (Mg)	[7439-95-4]	2,76	%		
	Manganese (Mn)	[7439-96-5]	437	µg/g		
	Nickel (Ni)	[7440-02-0]	48,7	µg/g		
	Phosphorus (P)	[7723-14-0]	340	µg/g		
	Lead (Pb)	[7439-92-1]	13,8	µg/g		
	Thallium (Tl)	[7440-28-0]	20	µg/g		
	Zinc (Zn)	[7440-66-6]	206	µg/g		