

Gold Ore

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

Description

CANMET-MA-1b is a sample of ore from the Macassa Mine at Kirkland Lake, Ontario. The major mineral constituents of the ore matrix are quartz, feldspar, and dolomite, with minor amounts of muscovite, chlorite and pyrite. Chalcopyrite, sphalerite, hematite, magnetite, altaite and melonite are present in minor to trace levels. Gold occurs mainly as native metal or electrum (alloy with minor silver constituent) mainly as inclusions in the siliceous matrix but also in pyrite. Calaverite (AuTe₂) occurs as inclusions in some pyrite grains. The ore was dry ground and sieved. The -74 µm fraction was blended and bottled in 200-g units. The stock was sampled systematically and analysed by fire assay/gravimetry (FA/G) and fire assay/ atomic absorption spectrometry (FA/AAS) procedures to demonstrate sufficient homogeneity of gold for application as a compositional reference material.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Gold (Au)	[7440-57-5]	17,0 ± 0,3	µg/g		