

Acid Base Accounting Material

Art. ID	CANMET-NBM-1
Unit	100 g
Deliverydetails	No Dangerous Good /not restricted

Description

The raw material used to prepare CANMET-NBM-1 was a biotic altered feldspar porphyry non-ore grade pit rock from the Bell Mine in Granisle, British Columbia. Major species in NBM-1 include sodium-plagioclase (30.7%), orthoclase (27.9%), quartz (21.8%), biotite (6.7%), kaolinite (3.7%), hematite plus magnetite (3.9%), siderite (2.5%), and ankerite (1.5%). Minor species include chalcopyrite (0.3%), and calcite, apatite, bornite, pyrite, and rutile, each with a concentration of 0.2%. Also, it was estimated visually that the weight ratio of hematite to magnetite is about 3:1. CANMET-NBM-1 is suitable for the analysis of rocks for sulphur and various static prediction tests for acid base accounting by the Sobek and modified Sobek methods. Examples of intended use are for quality control in the analysis of samples of a similar type, method development, environmental assessment and the calibration of equipment. Sobek and modified Sobek methods AP: Acid potential NP: Neutralisation potential S: Sobek method MS: Modified Sobek method m: Moderate fizz rating s: Slight fizz rating

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	AP-MS		8,48	kgCaCO ₃ /t		
	AP-S		8,73	kgCaCO ₃ /t		
	Paste pH		8,45	pH		
	Sulfur (S)	[7704-34-9]	0,28	%		
	NP-S-m		72,1	kgCaCO ₃ /t		
	NP-S-s		49,6	kgCaCO ₃ /t		