

Certified Reference Material for a Carbonatite with Rare Earth Elements

Art. ID	CANMET-REE-2
Unit	100 g
Deliverydetails	No Dangerous Good /not restricted

Description

a) The data generally includes sets by digestion using four acids (hydrochloric, nitric, hydrofluoric and perchloric), various fusions, and for some elements, fused pellet, fusion or pressed powder pellet followed by x-ray fluorescence, and instrumental neutron activation analysis b) The data generally includes sets by various fusions, and fused pellet or fusion followed by x-ray fluorescence c) The data is based on samples of 0,8 to 2 grams ignited for 0,5 to 4 hours at 650 to 1050°C d) The data generally includes sets by combustion followed by infrared spectroscopy and various fusions

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
See a)	Aluminium (Al)	[7429-90-5]	0,761	%		
See b)	Barium (Ba)	[7440-39-3]	5,02	%		
See a)	Calcium (Ca)	[7440-70-2]	13,68	%		
See a)	Cerium (Ce)	[7440-45-1]	9610	µg/g		
See a)	Cobalt (Co)	[7440-48-4]	7,71	µg/g		
See a)	Dysprosium (Dy)	[7429-91-6]	69,2	µg/g		
See a)	Erbium (Er)	[7440-52-0]	14	µg/g		
See a)	Europium (Eu)	[7440-53-1]	96,6	µg/g		
See a)	Iron (Fe)	[7439-89-6]	12,14	%		
See a)	Holmium (Ho)	[7440-60-0]	7,87	µg/g		
See b)	La (total)		5130	µg/g		
See a)	Lithium (Li)	[7439-93-2]	9,61	µg/g		
See c)	Loss on Ignition (LOI)		31,38	%		
See b)	Mg (total)		6,26	%		
See b)	Mg (total)		1,316	%		
See a)	Neodymium (Nd)	[7440-00-8]	3660	µg/g		
See a)	Phosphorus (P)	[7723-14-0]	0,461	%		
See a)	Praseodymium (Pr)	[7440-10-0]	1075	µg/g		
See a)	Rubidium (Rb)	[7440-17-7]	1,22	µg/g		
See d)	S (total)		1,745	%		
See a)	Scandium (Sc)	[7440-20-2]	57,5	µg/g		
See b)	Si (total)		1,377	%		
See a)	Samarium (Sm)	[7440-19-9]	410	µg/g		
See a)	Tin (Sn)	[7440-31-5]	24,1	µg/g		
See a)	Strontium (Sr)	[7440-24-6]	2300	µg/g		
See a)	Tantalum (Ta)	[7440-25-7]	1,17	µg/g		

See a)	Terbium (Tb)	[7440-27-9]	20,3	µg/g
See a)	Thorium (Th)	[7440-29-1]	737	µg/g
See b)	Titanium (Ti)	[7440-32-6]	0,1969	%
See a)	Thulium (Tm)	[7440-30-4]	1,383	µg/g
See a)	Uranium (U)	[7440-61-1]	3,73	µg/g
See a)	Tungsten (W)	[7440-33-7]	9,9	µg/g
See a)	Yttrium (Y)	[7440-65-5]	176	µg/g