

Certified Reference Material for Rare Earth Elements, Zirconium and Niobium

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

Description

a) either no sets were received using digestion by two acids (hydrochloric and nitric) and/or by three acids (hydrochloric, nitric and hydrofluoric) or the set(s) by either of these methods was/were declared method outlier(s) based on statistical tests b) the data includes sets by digestion using four acids (hydrochloric, nitric, hydrofluoric and perchloric) in a closed vessel, various types of fusions, pressed powder pellet and/or instrumental neutron activation analysis based on statistical tests or the selection of methods by the laboratories

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
see a)	Aluminium (Al)	[7429-90-5]	3,59	%		
see a)	Arsenic (As)	[7440-38-2]	124	µg/g		
see a)	Barium (Ba)	[7440-39-3]	100,1	µg/g		
see a)	Calcium (Ca)	[7440-70-2]	2,3	%		
see b)	Cerium (Ce)	[7440-45-1]	3960	µg/g		
see a)	Cobalt (Co)	[7440-48-4]	1,58	µg/g		
see b)	Chromium (Cr) no AD		277	µg/g		
see a)	Caesium (Cs)	[7440-46-2]	1,07	µg/g		
	Copper (Cu)	[7440-50-8]	79,7	µg/g		
see a)	Dysprosium (Dy)	[7429-91-6]	847	µg/g		
	Erbium (Er)	[7440-52-0]	701	µg/g		
see a)	Europium (Eu)	[7440-53-1]	23,5	µg/g		
see a)	Gadolinium (Gd)	[7440-54-2]	433	µg/g		
see a)	Hafnium (Hf)	[7440-58-6]	479	µg/g		
	Holmium (Ho)	[7440-60-0]	208	µg/g		
see a)	Potassium (K)	[7440-09-7]	3,09	%		
see a)	Lanthanum (La)	[7439-91-0]	1661	µg/g		
see a)	Sodium (Na)	[7440-23-5]	1,445	%		
see a)	Niobium (Nb)	[7440-03-1]	4050	µg/g		
see a)	Neodymium (Nd)	[7440-00-8]	1456	µg/g		
	Nickel (Ni)	[7440-02-0]	24,7	µg/g		
see a)	Phosphorus (P)	[7723-14-0]	0,0261	%		
	Lead (Pb)	[7439-92-1]	1137	µg/g		
see a)	Praseodymium (Pr)	[7440-10-0]	435	µg/g		
see a)	Rubidium (Rb)	[7440-17-7]	1047	µg/g		
see a)	Silicon (Si)	[7440-21-3]	31,36	%		
see a)	Samarium (Sm)	[7440-19-9]	381	µg/g		

see a)	Tin (Sn)	[7440-31-5]	498	µg/g
see a)	Strontium (Sr)	[7440-24-6]	129	µg/g
see a)	Terbium (Tb)	[7440-27-9]	106,2	µg/g
see a)	Thorium (Th)	[7440-29-1]	719	µg/g
see a)	Thulium (Tm)	[7440-30-4]	106	µg/g
see a)	Uranium (U)	[7440-61-1]	137	µg/g
see a)	Yttrium (Y)	[7440-65-5]	5480	µg/g
see a)	Ytterbium (Yb)	[7440-64-4]	678	µg/g
see b)	Zirconium (Zr)	[7440-67-7]	1,91	%