

**REE, SuperCRM, Matrix: lateritic, Mineralisation Style: carbonatite**

Art. ID OREAS-462-1KG  
Unit 1000 g  
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	CeO <sub>2</sub>		0,6082	%	Borate / Peroxide Fusion ICP	
	Lanthanum(III) oxide (La <sub>2</sub> O <sub>3</sub> )		0,445	%	Borate / Peroxide Fusion ICP	
	Neodymium(III) oxide (Nd <sub>2</sub> O <sub>3</sub> )		0,2985	%	Borate / Peroxide Fusion ICP	
	CeO <sub>2</sub>		0,6182	%	Borate Fusion XRF	
	Fe <sub>2</sub> O <sub>3</sub>		48,69	%	Borate Fusion XRF	
	Lanthanum(III) oxide (La <sub>2</sub> O <sub>3</sub> )		0,4517	%	Borate Fusion XRF	
	Neodymium(III) oxide (Nd <sub>2</sub> O <sub>3</sub> )		0,3048	%	Borate Fusion XRF	
	Praseodymium(III,IV) oxide (Pr <sub>6</sub> O <sub>11</sub> )		0,0845	%	Borate Fusion XRF	
	Samarium(III) oxide (Sm <sub>2</sub> O <sub>3</sub> )		< 0,05	%	Borate Fusion XRF	
	Loss on Ignition (L.O.I.) (1000 °C)		0,771	%	Thermogravimetry	
	Al <sub>2</sub> O <sub>3</sub>		10,95	%	Borate / Peroxide Fusion ICP	
	BaO		0,1144	%	Borate / Peroxide Fusion ICP	
	Beryllium (Be)	[7440-41-7]	0,000376	%	Borate / Peroxide Fusion ICP	

					sion ICP
Bismuth (Bi)	[7440-69-9]	0,000258	%		Borate / P eroxide Fu sion ICP
CaO		1,79	%		Borate / P eroxide Fu sion ICP
Cobalt (Co)	[7440-48-4]	0,00125	%		Borate / P eroxide Fu sion ICP
Cr2O3		0,089	%		Borate / P eroxide Fu sion ICP
Cesium (Cs)		0,000044	%		Borate / P eroxide Fu sion ICP
Dy2O3		0,0059	%		Borate / P eroxide Fu sion ICP
Er2O3		0,0014	%		Borate / P eroxide Fu sion ICP
Eu2O3		0,0091	%		Borate / P eroxide Fu sion ICP
Fe2O3		48,38	%		Borate / P eroxide Fu sion ICP
Gallium (Ga)	[7440-55-3]	0,0052	%		Borate / P eroxide Fu sion ICP
Gd2O3		0,019	%		Borate / P eroxide Fu sion ICP
HfO2		0,00165	%		Borate / P eroxide Fu sion ICP
Holmium(III) oxide (Ho2)		0,000744	%		Borate / P

O3)				erioxide Fu sion ICP
Potassium oxide (K <sub>2</sub> O)		0,145	%	Borate / P erioxide Fu sion ICP
Lithium (Li)	[7439-93-2]	0,00113	%	Borate / P erioxide Fu sion ICP
Lutetium(III) oxide (Lu 2O <sub>3</sub> )		0,000072	%	Borate / P erioxide Fu sion ICP
Magnesium oxide (MgO)	[1309-48-4]	1,8	%	Borate / P erioxide Fu sion ICP
Manganese oxide (MnO)		0,1204	%	Borate / P erioxide Fu sion ICP
Molybdenum (Mo)	[7439-98-7]	0,0051	%	Borate / P erioxide Fu sion ICP
Niobium(V) oxide (Nb <sub>2</sub> O <sub>5</sub> )		0,207	%	Borate / P erioxide Fu sion ICP
Nickel oxide (NiO)		0,0085	%	Borate / P erioxide Fu sion ICP
Phosphorous(V) oxide (P 2O <sub>5</sub> )		1,13	%	Borate / P erioxide Fu sion ICP
Lead oxide (PbO)		0,0123	%	Borate / P erioxide Fu sion ICP
Praseodymium(III,IV) ox ide (Pr <sub>6</sub> O <sub>11</sub> )		0,0888	%	Borate / P erioxide Fu sion ICP
Rubidium (Rb)	[7440-17-7]	0,000658	%	Borate / P erioxide Fu sion ICP

Sulfur (S)	[7704-34-9]	0,0587	%	Borate / Peroxide Fusion ICP
Antimony (Sb)	[7440-36-0]	0,000257	%	Borate / Peroxide Fusion ICP
Silicon dioxide (SiO <sub>2</sub> )	[7631-86-9]	28,19	%	Borate / Peroxide Fusion ICP
Samarium(III) oxide (Sm <sub>2</sub> O <sub>3</sub> )		0,0428	%	Borate / Peroxide Fusion ICP
Tin dioxide (SnO <sub>2</sub> )		0,00371	%	Borate / Peroxide Fusion ICP
Strontium oxide (SrO)		0,0904	%	Borate / Peroxide Fusion ICP
Tantalum(V) oxide (Ta <sub>2</sub> O <sub>5</sub> )		0,00313	%	Borate / Peroxide Fusion ICP
Terbium(III,IV) oxide (Tb <sub>4</sub> O <sub>7</sub> )		0,00169	%	Borate / Peroxide Fusion ICP
Thorium dioxide (ThO <sub>2</sub> )		0,0283	%	Borate / Peroxide Fusion ICP
Titanium dioxide (TiO <sub>2</sub> )	[13463-67-7]	3,18	%	Borate / Peroxide Fusion ICP
Thulium(III) oxide (Tm <sub>2</sub> O <sub>3</sub> )		0,000137	%	Borate / Peroxide Fusion ICP
Uranium(V,VI) oxide (U <sub>3</sub> O <sub>8</sub> )		0,000725	%	Borate / Peroxide Fusion ICP
Vanadium oxide (V <sub>2</sub> O <sub>5</sub> )		0,0679	%	Borate / Peroxide Fusion ICP

					sion ICP
	Tungsten trioxide (WO <sub>3</sub> )		0,000453	%	Borate / Peroxide Fusion ICP
	Yttrium(III) oxide (Y <sub>2</sub> O <sub>3</sub> )		0,0168	%	Borate / Peroxide Fusion ICP
	Ytterbium(III) oxide (Yb <sub>2</sub> O <sub>3</sub> )		0,000628	%	Borate / Peroxide Fusion ICP
	Zinc oxide (ZnO) [1314-13-2]		0,0335	%	Borate / Peroxide Fusion ICP
	Zirconium dioxide (ZrO <sub>2</sub> )		0,0801	%	Borate / Peroxide Fusion ICP
	Silver (Ag) [7440-22-4]		< 0,0002	%	4-Acid Digestion
	Aluminium (Al) [7429-90-5]		5,71	%	4-Acid Digestion
	Arsenic (As) [7440-38-2]		0,00308	%	4-Acid Digestion
	Barium (Ba) [7440-39-3]		0,1037	%	4-Acid Digestion
	Beryllium (Be) [7440-41-7]		0,000357	%	4-Acid Digestion
	Bismuth (Bi) [7440-69-9]		0,000269	%	4-Acid Digestion
	Calcium (Ca) [7440-70-2]		1,25	%	4-Acid Digestion
	Cadmium (Cd) [7440-43-9]		< 0,00002	%	4-Acid Digestion
	Cerium (Ce) [7440-45-1]		0,4984	%	4-Acid Digestion
	Cobalt (Co) [7440-48-4]		0,0013	%	4-Acid Digestion
	Chromium (Cr) [7440-47-3]		0,0502	%	4-Acid Digestion

Cesium (Cs)		0,000045	%	4-Acid Digestion
Copper (Cu)	[7440-50-8]	0,0061	%	4-Acid Digestion
Dysprosium (Dy)	[7429-91-6]	0,0051	%	4-Acid Digestion
Erbium (Er)	[7440-52-0]	0,00108	%	4-Acid Digestion
Europium (Eu)	[7440-53-1]	0,008	%	4-Acid Digestion
Iron (Fe)	[7439-89-6]	33,05	%	4-Acid Digestion
Gallium (Ga)	[7440-55-3]	0,0058	%	4-Acid Digestion
Gadolinium (Gd)	[7440-54-2]	0,0164	%	4-Acid Digestion
Hafnium (Hf)	[7440-58-6]	0,00074	%	4-Acid Digestion
Holmium (Ho)	[7440-60-0]	0,000618	%	4-Acid Digestion
Indium (In)	[7440-74-6]	0,000075	%	4-Acid Digestion
Potassium (K)	[7440-09-7]	0,118	%	4-Acid Digestion
Lanthanum (La)	[7439-91-0]	0,3669	%	4-Acid Digestion
Lithium (Li)	[7439-93-2]	0,00108	%	4-Acid Digestion
Lutetium (Lu)	[7439-94-3]	0,000053	%	4-Acid Digestion
Magnesium (Mg)	[7439-95-4]	1,01	%	4-Acid Digestion
Manganese (Mn)	[7439-96-5]	0,084	%	4-Acid Digestion
Molybdenum (Mo)	[7439-98-7]	0,0053	%	4-Acid Digestion
Sodium (Na)	[7440-23-5]	0,178	%	4-Acid Digestion

Neodymium (Nd)	[7440-00-8]	0,2595	%	4-Acid Digestion
Nickel (Ni)	[7440-02-0]	0,0074	%	4-Acid Digestion
Phosphorus (P)	[7723-14-0]	0,454	%	4-Acid Digestion
Lead (Pb)	[7439-92-1]	0,0119	%	4-Acid Digestion
Praseodymium (Pr)	[7440-10-0]	0,0736	%	4-Acid Digestion
Rubidium (Rb)	[7440-17-7]	0,000645	%	4-Acid Digestion
Rhenium (Re)	[7440-15-5]	< 0,000001	%	4-Acid Digestion
Sulfur (S)	[7704-34-9]	0,0548	%	4-Acid Digestion
Antimony (Sb)	[7440-36-0]	0,000217	%	4-Acid Digestion
Scandium (Sc)	[7440-20-2]	0,0051	%	4-Acid Digestion
Samarium (Sm)	[7440-19-9]	0,0362	%	4-Acid Digestion
Tin (Sn)	[7440-31-5]	0,00239	%	4-Acid Digestion
Strontium (Sr)	[7440-24-6]	0,0738	%	4-Acid Digestion
Tantalum (Ta)	[7440-25-7]	0,00218	%	4-Acid Digestion
Terbium (Tb)	[7440-27-9]	0,00147	%	4-Acid Digestion
Tellurium (Te)	[13494-80-9]	0,000033	%	4-Acid Digestion
Thorium (Th)	[7440-29-1]	0,0246	%	4-Acid Digestion
Titanium (Ti)	[7440-32-6]	0,986	%	4-Acid Digestion
Thallium (Tl)	[7440-28-0]	0,0000083	%	4-Acid Digestion

Thulium (Tm)	[7440-30-4]	0,000101	%	4-Acid Digestion
Uranium (U)	[7440-61-1]	0,000579	%	4-Acid Digestion
Vanadium (V)	[7440-62-2]	0,0353	%	4-Acid Digestion
Tungsten (W)	[7440-33-7]	0,000231	%	4-Acid Digestion
Yttrium (Y)	[7440-65-5]	0,0125	%	4-Acid Digestion
Ytterbium (Yb)	[7440-64-4]	0,000436	%	4-Acid Digestion
Zinc (Zn)	[7440-66-6]	0,0244	%	4-Acid Digestion
Zirconium (Zr)	[7440-67-7]	0,027	%	4-Acid Digestion