

### Lateritic scandium (nickel-cobalt) ore

Art. ID OREAS-199-10G  
Unit 10 g (powder)  
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Scandium (Sc)	[7440-20-2]	0,0591	%	Borate / Peroxide Fusion ICP	
	Cobalt (Co)	[7440-48-4]	0,0557	%	Borate / Peroxide Fusion ICP	
	Nickel (Ni)	[7440-02-0]	0,0995	%	Borate / Peroxide Fusion ICP	
	Al <sub>2</sub> O <sub>3</sub>		17,47	%	Borate Fusion XRF	
	CaO		0,208	%	Borate Fusion XRF	
	Cobalt (Co)	[7440-48-4]	0,0554	%	Borate Fusion XRF	
	Cr <sub>2</sub> O <sub>3</sub>		0,686	%	Borate Fusion XRF	
	Copper (Cu)	[7440-50-8]	0,0189	%	Borate Fusion XRF	
	Fe <sub>2</sub> O <sub>3</sub>		41,01	%	Borate Fusion XRF	
	Potassium oxide (K <sub>2</sub> O)		0,069	%	Borate Fusion XRF	
	Magnesium oxide (MgO)	[1309-48-4]	0,742	%	Borate Fusion XRF	
	Manganese oxide (MnO)		1,94	%	Borate Fusion XRF	
	Sodium oxide (Na <sub>2</sub> O)	[1313-59-3]	0,339	%	Borate Fusion XRF	
	Nickel (Ni)	[7440-02-0]	0,0995	%	Borate Fusion XRF	

Phosphorous(V) oxide (P 2O5)		0,065	%	Borate Fus ion XRF
Silicon dioxide (SiO2)	[7631-86-9]	24,93	%	Borate Fus ion XRF
Sulphur trioxide (SO3)		0,08	%	Borate Fus ion XRF
Titanium dioxide (TiO2)	[13463-67-7]	0,842	%	Borate Fus ion XRF
Zinc (Zn)	[7440-66-6]	0,0198	%	Borate Fus ion XRF
Loss on Ignition (L.O.I ) (1000 °C)		10,99	%	Thermograv imetry
Al2O3		17,26	%	Borate / P eroxide Fu sion ICP
Barium (Ba)	[7440-39-3]	0,1442	%	Borate / P eroxide Fu sion ICP
Beryllium (Be)	[7440-41-7]	0,000169	%	Borate / P eroxide Fu sion ICP
CaO		0,212	%	Borate / P eroxide Fu sion ICP
Cerium (Ce)	[7440-45-1]	0,0191	%	Borate / P eroxide Fu sion ICP
Cr2O3		0,682	%	Borate / P eroxide Fu sion ICP
Cesium (Cs)		0,000019	%	Borate / P eroxide Fu sion ICP
Copper (Cu)	[7440-50-8]	0,0191	%	Borate / P eroxide Fu sion ICP
Dysprosium (Dy)	[7429-91-6]	0,000269	%	Borate / P eroxide Fu

					sion ICP
Erbium (Er)	[7440-52-0]	0,000146	%		Borate / P eroxide Fu sion ICP
Fe <sub>2</sub> O <sub>3</sub>		40,69	%		Borate / P eroxide Fu sion ICP
Gallium (Ga)	[7440-55-3]	0,0019	%		Borate / P eroxide Fu sion ICP
Gadolinium (Gd)	[7440-54-2]	0,000309	%		Borate / P eroxide Fu sion ICP
Hafnium (Hf)	[7440-58-6]	0,000114	%		Borate / P eroxide Fu sion ICP
Holmium (Ho)	[7440-60-0]	0,000052	%		Borate / P eroxide Fu sion ICP
Lanthanum (La)	[7439-91-0]	0,000843	%		Borate / P eroxide Fu sion ICP
Lithium (Li)	[7439-93-2]	0,00212	%		Borate / P eroxide Fu sion ICP
Magnesium oxide (MgO)	[1309-48-4]	0,73	%		Borate / P eroxide Fu sion ICP
Manganese oxide (MnO)		1,91	%		Borate / P eroxide Fu sion ICP
Molybdenum (Mo)	[7439-98-7]	< 0,0005	%		Borate / P eroxide Fu sion ICP
Sodium oxide (Na <sub>2</sub> O)	[1313-59-3]	0,323	%		Borate / P eroxide Fu sion ICP
Niobium (Nb)	[7440-03-1]	0,000219	%		Borate / P

					erioxide Fu sion ICP
Neodymium (Nd)	[7440-00-8]	0,00126	%		Borate / P erioxide Fu sion ICP
Phosphorous(V) oxide (P 2O5)		0,063	%		Borate / P erioxide Fu sion ICP
Praseodymium (Pr)	[7440-10-0]	0,000304	%		Borate / P erioxide Fu sion ICP
Rubidium (Rb)	[7440-17-7]	0,000203	%		Borate / P erioxide Fu sion ICP
Antimony (Sb)	[7440-36-0]	0,000277	%		Borate / P erioxide Fu sion ICP
Silicon dioxide (SiO2)	[7631-86-9]	24,74	%		Borate / P erioxide Fu sion ICP
Samarium (Sm)	[7440-19-9]	0,000373	%		Borate / P erioxide Fu sion ICP
Strontium (Sr)	[7440-24-6]	0,0087	%		Borate / P erioxide Fu sion ICP
Terbium (Tb)	[7440-27-9]	0,00005	%		Borate / P erioxide Fu sion ICP
Thorium (Th)	[7440-29-1]	0,000188	%		Borate / P erioxide Fu sion ICP
Titanium dioxide (TiO2)	[13463-67-7]	0,826	%		Borate / P erioxide Fu sion ICP
Thallium (Tl)	[7440-28-0]	0,000096	%		Borate / P erioxide Fu sion ICP

Thulium (Tm)	[7440-30-4]	0,000021	%	Borate / Peroxide Fusion ICP
Uranium (U)	[7440-61-1]	0,000305	%	Borate / Peroxide Fusion ICP
Vanadium (V)	[7440-62-2]	0,0657	%	Borate / Peroxide Fusion ICP
Yttrium (Y)	[7440-65-5]	0,000855	%	Borate / Peroxide Fusion ICP
Ytterbium (Yb)	[7440-64-4]	0,000148	%	Borate / Peroxide Fusion ICP
Zinc (Zn)	[7440-66-6]	0,0207	%	Borate / Peroxide Fusion ICP
Zirconium (Zr)	[7440-67-7]	0,00318	%	Borate / Peroxide Fusion ICP
Specific Gravity		3,14		Gas / Liquid Pycnometry