

Lateritic scandium (nickel-cobalt) ore

Art. ID OREAS-198-1KG
Unit 1 kg (powder)
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Scandium (Sc)	[7440-20-2]	0,0401	%	Borate / Peroxide Fusion ICP	
	Cobalt (Co)	[7440-48-4]	0,0807	%	Borate / Peroxide Fusion ICP	
	Nickel (Ni)	[7440-02-0]	0,0688	%	Borate / Peroxide Fusion ICP	
	Al ₂ O ₃		15,81	%	Borate Fusion XRF	
	CaO		0,346	%	Borate Fusion XRF	
	Cobalt (Co)	[7440-48-4]	0,0804	%	Borate Fusion XRF	
	Cr ₂ O ₃		0,285	%	Borate Fusion XRF	
	Copper (Cu)	[7440-50-8]	0,0491	%	Borate Fusion XRF	
	Fe ₂ O ₃		45,99	%	Borate Fusion XRF	
	Potassium oxide (K ₂ O)		0,101	%	Borate Fusion XRF	
	Magnesium oxide (MgO)	[1309-48-4]	0,798	%	Borate Fusion XRF	
	Manganese oxide (MnO)		1,53	%	Borate Fusion XRF	
	Sodium oxide (Na ₂ O)	[1313-59-3]	0,144	%	Borate Fusion XRF	
	Nickel (Ni)	[7440-02-0]	0,0688	%	Borate Fusion XRF	

Phosphorous(V) oxide (P 2O5)		0,161	%	Borate Fus ion XRF
Scandium (Sc)	[7440-20-2]	0,0414	%	Borate Fus ion XRF
Silicon dioxide (SiO2)	[7631-86-9]	22,79	%	Borate Fus ion XRF
Titanium dioxide (TiO2)	[13463-67-7]	1,36	%	Borate Fus ion XRF
Zinc (Zn)	[7440-66-6]	0,0207	%	Borate Fus ion XRF
Loss on Ignition (L.O.I) (1000 °C)		10,18	%	Thermograv imetry
Al2O3		15,56	%	Borate / P eroxide Fu sion ICP
Arsenic (As)	[7440-38-2]	< 0,003	%	Borate / P eroxide Fu sion ICP
Barium (Ba)	[7440-39-3]	0,0284	%	Borate / P eroxide Fu sion ICP
Beryllium (Be)	[7440-41-7]	0,000143	%	Borate / P eroxide Fu sion ICP
CaO		0,342	%	Borate / P eroxide Fu sion ICP
Cerium (Ce)	[7440-45-1]	0,0075	%	Borate / P eroxide Fu sion ICP
Cr2O3		0,281	%	Borate / P eroxide Fu sion ICP
Cesium (Cs)		0,000086	%	Borate / P eroxide Fu sion ICP
Copper (Cu)	[7440-50-8]	0,0495	%	Borate / P eroxide Fu

					sion ICP
Dysprosium (Dy)	[7429-91-6]	0,000419	%		Borate / P eroxide Fu sion ICP
Erbium (Er)	[7440-52-0]	0,000226	%		Borate / P eroxide Fu sion ICP
Europium (Eu)	[7440-53-1]	0,000145	%		Borate / P eroxide Fu sion ICP
Fe ₂ O ₃		45,22	%		Borate / P eroxide Fu sion ICP
Gallium (Ga)	[7440-55-3]	0,00222	%		Borate / P eroxide Fu sion ICP
Gadolinium (Gd)	[7440-54-2]	0,000483	%		Borate / P eroxide Fu sion ICP
Hafnium (Hf)	[7440-58-6]	0,000254	%		Borate / P eroxide Fu sion ICP
Holmium (Ho)	[7440-60-0]	0,000082	%		Borate / P eroxide Fu sion ICP
Potassium oxide (K ₂ O)		0,107	%		Borate / P eroxide Fu sion ICP
Lanthanum (La)	[7439-91-0]	0,00101	%		Borate / P eroxide Fu sion ICP
Lithium (Li)	[7439-93-2]	0,00222	%		Borate / P eroxide Fu sion ICP
Lutetium (Lu)	[7439-94-3]	0,000033	%		Borate / P eroxide Fu sion ICP
Magnesium oxide (MgO)	[1309-48-4]	0,773	%		Borate / P

				erioxide Fu sion ICP
Manganese oxide (MnO)		1,49	%	Borate / P erioxide Fu sion ICP
Molybdenum (Mo)	[7439-98-7]	< 0,0005	%	Borate / P erioxide Fu sion ICP
Sodium oxide (Na ₂ O)	[1313-59-3]	0,149	%	Borate / P erioxide Fu sion ICP
Niobium (Nb)	[7440-03-1]	0,000479	%	Borate / P erioxide Fu sion ICP
Neodymium (Nd)	[7440-00-8]	0,00166	%	Borate / P erioxide Fu sion ICP
Phosphorous(V) oxide (P 2O ₅)		0,15	%	Borate / P erioxide Fu sion ICP
Lead (Pb)	[7439-92-1]	< 0,002	%	Borate / P erioxide Fu sion ICP
Praseodymium (Pr)	[7440-10-0]	0,000358	%	Borate / P erioxide Fu sion ICP
Rubidium (Rb)	[7440-17-7]	0,000815	%	Borate / P erioxide Fu sion ICP
Silicon dioxide (SiO ₂)	[7631-86-9]	22,52	%	Borate / P erioxide Fu sion ICP
Samarium (Sm)	[7440-19-9]	0,000518	%	Borate / P erioxide Fu sion ICP
Tin (Sn)	[7440-31-5]	0,000258	%	Borate / P erioxide Fu sion ICP

Strontium (Sr)	[7440-24-6]	0,0068	%	Borate / Peroxide Fusion ICP
Tantalum (Ta)	[7440-25-7]	0,000038	%	Borate / Peroxide Fusion ICP
Terbium (Tb)	[7440-27-9]	0,000075	%	Borate / Peroxide Fusion ICP
Thorium (Th)	[7440-29-1]	0,00033	%	Borate / Peroxide Fusion ICP
Titanium dioxide (TiO ₂)	[13463-67-7]	1,34	%	Borate / Peroxide Fusion ICP
Thulium (Tm)	[7440-30-4]	0,000034	%	Borate / Peroxide Fusion ICP
Uranium (U)	[7440-61-1]	0,000132	%	Borate / Peroxide Fusion ICP
Vanadium (V)	[7440-62-2]	0,0644	%	Borate / Peroxide Fusion ICP
Tungsten (W)	[7440-33-7]	0,000112	%	Borate / Peroxide Fusion ICP
Yttrium (Y)	[7440-65-5]	0,00168	%	Borate / Peroxide Fusion ICP
Ytterbium (Yb)	[7440-64-4]	0,000221	%	Borate / Peroxide Fusion ICP
Zinc (Zn)	[7440-66-6]	0,0212	%	Borate / Peroxide Fusion ICP
Zirconium (Zr)	[7440-67-7]	0,008	%	Borate / Peroxide Fusion ICP

Carbon (C)	[7440-44-0]	0,246	%	Infrared Combustion ICP
Specific Gravity		3,21		Gas / Liquid Pycnometry