

Lateritic scandium (nickel-cobalt) ore

Art. ID OREAS-197-10g
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]	0,0203	%	Borate / Peroxide Fusion ICP	
	Cobalt (Co)	[7440-48-4]	0,0331	%	Borate / Peroxide Fusion ICP	
	Nickel (Ni)	[7440-02-0]	0,0524	%	Borate / Peroxide Fusion ICP	
	Al ₂ O ₃		17,1	%	Borate Fusion XRF	
	CaO		1,02	%	Borate Fusion XRF	
	Cobalt (Co)	[7440-48-4]	0,0327	%	Borate Fusion XRF	
	Cr ₂ O ₃		0,17	%	Borate Fusion XRF	
	Copper (Cu)	[7440-50-8]	0,0257	%	Borate Fusion XRF	
	Fe ₂ O ₃		37,85	%	Borate Fusion XRF	
	Potassium oxide (K ₂ O)		0,228	%	Borate Fusion XRF	
	Magnesium oxide (MgO)	[1309-48-4]	2,32	%	Borate Fusion XRF	
	Manganese oxide (MnO)		0,927	%	Borate Fusion XRF	
	Sodium oxide (Na ₂ O)	[1313-59-3]	0,178	%	Borate Fusion XRF	
	Nickel (Ni)	[7440-02-0]	0,0522	%	Borate Fusion XRF	

Phosphorous(V) oxide (P 2O5)		0,173	%	Borate Fus ion XRF
Scandium (Sc)	[7440-20-2]	0,0205	%	Borate Fus ion XRF
Silicon dioxide (SiO2)	[7631-86-9]	28,35	%	Borate Fus ion XRF
Sulphur trioxide (SO3)		0,063	%	Borate Fus ion XRF
Titanium dioxide (TiO2)	[13463-67-7]	1,3	%	Borate Fus ion XRF
Zinc (Zn)	[7440-66-6]	0,0149	%	Borate Fus ion XRF
Loss on Ignition (L.O.I) (1000 °C)		10,1	%	Thermograv imetry
Al2O3		16,94	%	Borate / P eroxide Fu sion ICP
Barium (Ba)	[7440-39-3]	0,0244	%	Borate / P eroxide Fu sion ICP
CaO		1,03	%	Borate / P eroxide Fu sion ICP
Cerium (Ce)	[7440-45-1]	0,00485	%	Borate / P eroxide Fu sion ICP
Cr2O3		0,17	%	Borate / P eroxide Fu sion ICP
Cesium (Cs)		0,000099	%	Borate / P eroxide Fu sion ICP
Copper (Cu)	[7440-50-8]	0,0262	%	Borate / P eroxide Fu sion ICP
Erbium (Er)	[7440-52-0]	0,000155	%	Borate / P eroxide Fu sion ICP

Fe ₂ O ₃		37,45	%	Borate / Peroxide Fusion ICP
Gallium (Ga)	[7440-55-3]	0,00224	%	Borate / Peroxide Fusion ICP
Hafnium (Hf)	[7440-58-6]	0,000238	%	Borate / Peroxide Fusion ICP
Holmium (Ho)	[7440-60-0]	0,000051	%	Borate / Peroxide Fusion ICP
Potassium oxide (K ₂ O)		0,23	%	Borate / Peroxide Fusion ICP
Lanthanum (La)	[7439-91-0]	0,000755	%	Borate / Peroxide Fusion ICP
Lithium (Li)	[7439-93-2]	0,00176	%	Borate / Peroxide Fusion ICP
Magnesium oxide (MgO)	[1309-48-4]	2,27	%	Borate / Peroxide Fusion ICP
Manganese oxide (MnO)		0,91	%	Borate / Peroxide Fusion ICP
Molybdenum (Mo)	[7439-98-7]	0,000265	%	Borate / Peroxide Fusion ICP
Sodium oxide (Na ₂ O)	[1313-59-3]	0,162	%	Borate / Peroxide Fusion ICP
Niobium (Nb)	[7440-03-1]	0,000491	%	Borate / Peroxide Fusion ICP
Neodymium (Nd)	[7440-00-8]	0,00106	%	Borate / Peroxide Fusion ICP

					sion ICP
Phosphorous(V) oxide (P 2O5)		0,17	%		Borate / P eroxide Fu sion ICP
Praseodymium (Pr)	[7440-10-0]	0,000253	%		Borate / P eroxide Fu sion ICP
Rubidium (Rb)	[7440-17-7]	0,00105	%		Borate / P eroxide Fu sion ICP
Silicon dioxide (SiO2)	[7631-86-9]	27,7	%		Borate / P eroxide Fu sion ICP
Samarium (Sm)	[7440-19-9]	0,000306	%		Borate / P eroxide Fu sion ICP
Strontium (Sr)	[7440-24-6]	0,0078	%		Borate / P eroxide Fu sion ICP
Tantalum (Ta)	[7440-25-7]	0,00004	%		Borate / P eroxide Fu sion ICP
Terbium (Tb)	[7440-27-9]	0,000047	%		Borate / P eroxide Fu sion ICP
Thorium (Th)	[7440-29-1]	0,000324	%		Borate / P eroxide Fu sion ICP
Titanium dioxide (TiO2)	[13463-67-7]	1,28	%		Borate / P eroxide Fu sion ICP
Thulium (Tm)	[7440-30-4]	0,000021	%		Borate / P eroxide Fu sion ICP
Uranium (U)	[7440-61-1]	0,000122	%		Borate / P eroxide Fu sion ICP
Vanadium (V)	[7440-62-2]	0,0502	%		Borate / P

					erioxide Fu sion ICP
Tungsten (W)	[7440-33-7]	0,000328	%		Borate / P erioxide Fu sion ICP
Yttrium (Y)	[7440-65-5]	0,00114	%		Borate / P erioxide Fu sion ICP
Ytterbium (Yb)	[7440-64-4]	0,000147	%		Borate / P erioxide Fu sion ICP
Zinc (Zn)	[7440-66-6]	0,0149	%		Borate / P erioxide Fu sion ICP
Zirconium (Zr)	[7440-67-7]	0,0078	%		Borate / P erioxide Fu sion ICP
Carbon (C)	[7440-44-0]	0,329	%		Infrared C ombustion
Specific Gravity		3,09			Gas / Liqu id Pycnome try