

Transitional (sapolite-limonite) ore

Art. ID OREAS-180-10G
Unit 10 g (powder)
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Nickel (Ni)	[7440-02-0]	0,3093	%	Borate Fus ion XRF	
	Cobalt (Co)	[7440-48-4]	0,0244	%	Borate Fus ion XRF	
	Scandium (Sc)	[7440-20-2]	0,00415	%	Borate / P eroxide Fu sion ICP	
	Al ₂ O ₃		13,08	%	Borate Fus ion XRF	
	CaO		3,11	%	Borate Fus ion XRF	
	Cr ₂ O ₃		1,3	%	Borate Fus ion XRF	
	Copper (Cu)	[7440-50-8]	0,0091	%	Borate Fus ion XRF	
	Fe ₂ O ₃		35,44	%	Borate Fus ion XRF	
	Potassium oxide (K ₂ O)		0,132	%	Borate Fus ion XRF	
	Magnesium oxide (MgO)	[1309-48-4]	1,7	%	Borate Fus ion XRF	
	Manganese oxide (MnO)		0,109	%	Borate Fus ion XRF	
	Sodium oxide (Na ₂ O)	[1313-59-3]	0,296	%	Borate Fus ion XRF	
	Phosphorous(V) oxide (P 2O ₅)		0,019	%	Borate Fus ion XRF	
	Silicon dioxide (SiO ₂)	[7631-86-9]	31,97	%	Borate Fus ion XRF	
	Titanium dioxide (TiO ₂)	[13463-67-7]	0,364	%	Borate Fus ion XRF	

Zinc (Zn)	[7440-66-6]	0,0073	%	Borate Fusion XRF
Loss on Ignition (L.O.I.) (1000 °C)		12,07	%	Thermogravimetry
Al ₂ O ₃		12,71	%	Borate / Peroxide Fusion ICP
Arsenic (As)	[7440-38-2]	0,00251	%	Borate / Peroxide Fusion ICP
Barium (Ba)	[7440-39-3]	0,014	%	Borate / Peroxide Fusion ICP
CaO		3,14	%	Borate / Peroxide Fusion ICP
Cadmium (Cd)	[7440-43-9]	< 0,001	%	Borate / Peroxide Fusion ICP
Cerium (Ce)	[7440-45-1]	0,00117	%	Borate / Peroxide Fusion ICP
Cobalt (Co)	[7440-48-4]	0,0253	%	Borate / Peroxide Fusion ICP
Cr ₂ O ₃		1,27	%	Borate / Peroxide Fusion ICP
Cesium (Cs)		0,000062	%	Borate / Peroxide Fusion ICP
Copper (Cu)	[7440-50-8]	0,009	%	Borate / Peroxide Fusion ICP
Europium (Eu)	[7440-53-1]	0,000043	%	Borate / Peroxide Fusion ICP
Fe ₂ O ₃		35,31	%	Borate / P

					eroxide Fu sion ICP
Gallium (Ga)	[7440-55-3]	0,00116	%		Borate / P eroxide Fu sion ICP
Gadolinium (Gd)	[7440-54-2]	0,000146	%		Borate / P eroxide Fu sion ICP
Hafnium (Hf)	[7440-58-6]	0,000203	%		Borate / P eroxide Fu sion ICP
Holmium (Ho)	[7440-60-0]	0,000029	%		Borate / P eroxide Fu sion ICP
Potassium oxide (K ₂ O)		0,123	%		Borate / P eroxide Fu sion ICP
Lanthanum (La)	[7439-91-0]	0,000476	%		Borate / P eroxide Fu sion ICP
Lithium (Li)	[7439-93-2]	0,00147	%		Borate / P eroxide Fu sion ICP
Magnesium oxide (MgO)	[1309-48-4]	1,69	%		Borate / P eroxide Fu sion ICP
Manganese oxide (MnO)		0,108	%		Borate / P eroxide Fu sion ICP
Molybdenum (Mo)	[7439-98-7]	< 0,0005	%		Borate / P eroxide Fu sion ICP
Sodium oxide (Na ₂ O)	[1313-59-3]	0,285	%		Borate / P eroxide Fu sion ICP
Niobium (Nb)	[7440-03-1]	0,000216	%		Borate / P eroxide Fu sion ICP

Neodymium (Nd)	[7440-00-8]	0,000565	%	Borate / Peroxide Fusion ICP
Nickel (Ni)	[7440-02-0]	0,3038	%	Borate / Peroxide Fusion ICP
Phosphorous(V) oxide (P2O5)		0,018	%	Borate / Peroxide Fusion ICP
Praseodymium (Pr)	[7440-10-0]	0,000145	%	Borate / Peroxide Fusion ICP
Rubidium (Rb)	[7440-17-7]	0,000635	%	Borate / Peroxide Fusion ICP
Sulfur (S)	[7704-34-9]	0,072	%	Borate / Peroxide Fusion ICP
Antimony (Sb)	[7440-36-0]	0,000148	%	Borate / Peroxide Fusion ICP
Silicon dioxide (SiO2)	[7631-86-9]	31,49	%	Borate / Peroxide Fusion ICP
Samarium (Sm)	[7440-19-9]	0,000148	%	Borate / Peroxide Fusion ICP
Tin (Sn)	[7440-31-5]	< 0,001	%	Borate / Peroxide Fusion ICP
Strontium (Sr)	[7440-24-6]	0,0113	%	Borate / Peroxide Fusion ICP
Terbium (Tb)	[7440-27-9]	0,000024	%	Borate / Peroxide Fusion ICP
Thorium (Th)	[7440-29-1]	0,00035	%	Borate / Peroxide Fusion ICP

					sion ICP
Titanium dioxide (TiO ₂)	[13463-67-7]	0,358	%		Borate / Peroxide Fusion ICP
Uranium (U)	[7440-61-1]	0,000118	%		Borate / Peroxide Fusion ICP
Vanadium (V)	[7440-62-2]	0,0166	%		Borate / Peroxide Fusion ICP
Tungsten (W)	[7440-33-7]	0,000372	%		Borate / Peroxide Fusion ICP
Yttrium (Y)	[7440-65-5]	0,000641	%		Borate / Peroxide Fusion ICP
Ytterbium (Yb)	[7440-64-4]	0,000095	%		Borate / Peroxide Fusion ICP
Zinc (Zn)	[7440-66-6]	0,008	%		Borate / Peroxide Fusion ICP
Zirconium (Zr)	[7440-67-7]	0,0072	%		Borate / Peroxide Fusion ICP
Carbon (C)	[7440-44-0]	0,87	%		Infrared Combustion
Sulfur (S)	[7704-34-9]	0,057	%		Infrared Combustion
Specific Gravity		2,89			Gas / Liquid Pycnometry