

Transitional (sapolite-limonite) ore

Art. ID OREAS-181-1KG
Unit 1 kg (powder)
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Nickel (Ni)	[7440-02-0]	0,5123	%	Borate Fus ion XRF	
	Cobalt (Co)	[7440-48-4]	0,0451	%	Borate Fus ion XRF	
	Scandium (Sc)	[7440-20-2]	0,00382	%	Borate / P eroxide Fu sion ICP	
	Al ₂ O ₃		11,56	%	Borate Fus ion XRF	
	CaO		2,37	%	Borate Fus ion XRF	
	Cr ₂ O ₃		1,24	%	Borate Fus ion XRF	
	Copper (Cu)	[7440-50-8]	0,0074	%	Borate Fus ion XRF	
	Fe ₂ O ₃		35,94	%	Borate Fus ion XRF	
	Potassium oxide (K ₂ O)		0,132	%	Borate Fus ion XRF	
	Magnesium oxide (MgO)	[1309-48-4]	2,05	%	Borate Fus ion XRF	
	Manganese oxide (MnO)		0,168	%	Borate Fus ion XRF	
	Sodium oxide (Na ₂ O)	[1313-59-3]	0,448	%	Borate Fus ion XRF	
	Phosphorous(V) oxide (P 2O ₅)		0,017	%	Borate Fus ion XRF	
	Silicon dioxide (SiO ₂)	[7631-86-9]	33,79	%	Borate Fus ion XRF	
	Sulphur trioxide (SO ₃)		0,189	%	Borate Fus ion XRF	

Titanium dioxide (TiO ₂)	[13463-67-7]	0,339	%	Borate Fusion XRF
Zinc (Zn)	[7440-66-6]	0,0096	%	Borate Fusion XRF
Loss on Ignition (L.O.I.) (1000 °C)		11,26	%	Thermogravimetry
Al ₂ O ₃		11,31	%	Borate / Peroxide Fusion ICP
Barium (Ba)	[7440-39-3]	0,0135	%	Borate / Peroxide Fusion ICP
CaO		2,37	%	Borate / Peroxide Fusion ICP
Cadmium (Cd)	[7440-43-9]	< 0,001	%	Borate / Peroxide Fusion ICP
Cerium (Ce)	[7440-45-1]	0,00123	%	Borate / Peroxide Fusion ICP
Cobalt (Co)	[7440-48-4]	0,0451	%	Borate / Peroxide Fusion ICP
Cr ₂ O ₃		1,23	%	Borate / Peroxide Fusion ICP
Cesium (Cs)		0,000057	%	Borate / Peroxide Fusion ICP
Copper (Cu)	[7440-50-8]	0,0077	%	Borate / Peroxide Fusion ICP
Europium (Eu)	[7440-53-1]	0,000043	%	Borate / Peroxide Fusion ICP
Fe ₂ O ₃		35,34	%	Borate / Peroxide Fusion ICP

					sion ICP
Gallium (Ga)	[7440-55-3]	0,00105	%		Borate / Peroxide Fusion ICP
Gadolinium (Gd)	[7440-54-2]	0,000135	%		Borate / Peroxide Fusion ICP
Hafnium (Hf)	[7440-58-6]	0,000174	%		Borate / Peroxide Fusion ICP
Holmium (Ho)	[7440-60-0]	0,000027	%		Borate / Peroxide Fusion ICP
Potassium oxide (K ₂ O)		0,125	%		Borate / Peroxide Fusion ICP
Lanthanum (La)	[7439-91-0]	0,000404	%		Borate / Peroxide Fusion ICP
Lithium (Li)	[7439-93-2]	0,00123	%		Borate / Peroxide Fusion ICP
Magnesium oxide (MgO)	[1309-48-4]	2,01	%		Borate / Peroxide Fusion ICP
Manganese oxide (MnO)		0,166	%		Borate / Peroxide Fusion ICP
Molybdenum (Mo)	[7439-98-7]	< 0,0005	%		Borate / Peroxide Fusion ICP
Sodium oxide (Na ₂ O)	[1313-59-3]	0,42	%		Borate / Peroxide Fusion ICP
Niobium (Nb)	[7440-03-1]	0,000196	%		Borate / Peroxide Fusion ICP
Neodymium (Nd)	[7440-00-8]	0,00053	%		Borate / P

					erioxide Fu sion ICP
Nickel (Ni)	[7440-02-0]	0,5048	%		Borate / P erioxide Fu sion ICP
Praseodymium (Pr)	[7440-10-0]	0,000129	%		Borate / P erioxide Fu sion ICP
Rubidium (Rb)	[7440-17-7]	0,000561	%		Borate / P erioxide Fu sion ICP
Sulfur (S)	[7704-34-9]	0,071	%		Borate / P erioxide Fu sion ICP
Antimony (Sb)	[7440-36-0]	0,000119	%		Borate / P erioxide Fu sion ICP
Silicon dioxide (SiO ₂)	[7631-86-9]	33,32	%		Borate / P erioxide Fu sion ICP
Samarium (Sm)	[7440-19-9]	0,000136	%		Borate / P erioxide Fu sion ICP
Strontium (Sr)	[7440-24-6]	0,0087	%		Borate / P erioxide Fu sion ICP
Terbium (Tb)	[7440-27-9]	0,000022	%		Borate / P erioxide Fu sion ICP
Thorium (Th)	[7440-29-1]	0,000272	%		Borate / P erioxide Fu sion ICP
Titanium dioxide (TiO ₂)	[13463-67-7]	0,333	%		Borate / P erioxide Fu sion ICP
Uranium (U)	[7440-61-1]	0,000098	%		Borate / P erioxide Fu sion ICP

Vanadium (V)	[7440-62-2]	0,0146	%	Borate / Peroxide Fusion ICP
Tungsten (W)	[7440-33-7]	0,000322	%	Borate / Peroxide Fusion ICP
Yttrium (Y)	[7440-65-5]	0,000573	%	Borate / Peroxide Fusion ICP
Ytterbium (Yb)	[7440-64-4]	0,000089	%	Borate / Peroxide Fusion ICP
Zinc (Zn)	[7440-66-6]	0,01	%	Borate / Peroxide Fusion ICP
Zirconium (Zr)	[7440-67-7]	0,0061	%	Borate / Peroxide Fusion ICP
Carbon (C)	[7440-44-0]	0,653	%	Infrared Combustion
Sulfur (S)	[7704-34-9]	0,059	%	Infrared Combustion
Specific Gravity		2,87		Gas / Liquid Pycnometry