

**Diorite, CRM, Granodiorite, Au Pd Pt fire assay, C S combustion, rest Fusion XRF, Powder**

Art. ID OREAS-24b-1KG  
Unit 1 kg (powder)  
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Gold (Au)	[7440-57-5]	< 3	ppb	Pb Fire As say	
	Copper (Cu)	[7440-50-8]	0,0038	%	4-Acid Dig estion	
	Lead (Pb)	[7439-92-1]	0,00231	%	4-Acid Dig estion	
	Aluminium (Al)	[7429-90-5]	8,02	%	4-Acid Dig estion	
	Barium (Ba)	[7440-39-3]	0,0716	%	4-Acid Dig estion	
	Beryllium (Be)	[7440-41-7]	0,000292	%	4-Acid Dig estion	
	Bismuth (Bi)	[7440-69-9]	0,000068	%	4-Acid Dig estion	
	Calcium (Ca)	[7440-70-2]	1,08	%	4-Acid Dig estion	
	Cerium (Ce)	[7440-45-1]	0,0084	%	4-Acid Dig estion	
	Cobalt (Co)	[7440-48-4]	0,00169	%	4-Acid Dig estion	
	Chromium (Cr)	[7440-47-3]	0,0118	%	4-Acid Dig estion	
	Cesium (Cs)		0,00107	%	4-Acid Dig estion	
	Iron (Fe)	[7439-89-6]	4,39	%	4-Acid Dig estion	
	Gallium (Ga)	[7440-55-3]	0,00201	%	4-Acid Dig estion	
	Hafnium (Hf)	[7440-58-6]	0,00039	%	4-Acid Dig estion	
	Potassium (K)	[7440-09-7]	2,81	%	4-Acid Dig	

					estion
Lanthanum (La)	[7439-91-0]	0,00424	%	4-Acid Dig	estion
Lithium (Li)	[7439-93-2]	0,0052	%	4-Acid Dig	estion
Magnesium (Mg)	[7439-95-4]	1,65	%	4-Acid Dig	estion
Manganese (Mn)	[7439-96-5]	0,044	%	4-Acid Dig	estion
Molybdenum (Mo)	[7439-98-7]	0,000403	%	4-Acid Dig	estion
Sodium (Na)	[7440-23-5]	0,846	%	4-Acid Dig	estion
Niobium (Nb)	[7440-03-1]	0,00146	%	4-Acid Dig	estion
Nickel (Ni)	[7440-02-0]	0,006	%	4-Acid Dig	estion
Phosphorus (P)	[7723-14-0]	0,069	%	4-Acid Dig	estion
Rubidium (Rb)	[7440-17-7]	0,0164	%	4-Acid Dig	estion
Sulfur (S)	[7704-34-9]	0,198	%	4-Acid Dig	estion
Antimony (Sb)	[7440-36-0]	0,0001	%	4-Acid Dig	estion
Scandium (Sc)	[7440-20-2]	0,00153	%	4-Acid Dig	estion
Tin (Sn)	[7440-31-5]	0,000425	%	4-Acid Dig	estion
Strontium (Sr)	[7440-24-6]	0,0124	%	4-Acid Dig	estion
Tantalum (Ta)	[7440-25-7]	0,000123	%	4-Acid Dig	estion
Thorium (Th)	[7440-29-1]	0,00164	%	4-Acid Dig	estion
Titanium (Ti)	[7440-32-6]	0,468	%	4-Acid Dig	estion
Thallium (Tl)	[7440-28-0]	0,000086	%	4-Acid Dig	estion

					estion
Uranium (U)	[7440-61-1]	0,000306	%		4-Acid Dig
					estion
Vanadium (V)	[7440-62-2]	0,0108	%		4-Acid Dig
					estion
Tungsten (W)	[7440-33-7]	0,000364	%		4-Acid Dig
					estion
Yttrium (Y)	[7440-65-5]	0,00199	%		4-Acid Dig
					estion
Zinc (Zn)	[7440-66-6]	0,0105	%		4-Acid Dig
					estion
Zirconium (Zr)	[7440-67-7]	0,0134	%		4-Acid Dig
					estion
Aluminium (Al)	[7429-90-5]	3,15	%		Aqua Regia Digestion
Arsenic (As)	[7440-38-2]	0,000796	%		Aqua Regia Digestion
Barium (Ba)	[7440-39-3]	0,0146	%		Aqua Regia Digestion
Bismuth (Bi)	[7440-69-9]	0,000073	%		Aqua Regia Digestion
Calcium (Ca)	[7440-70-2]	0,461	%		Aqua Regia Digestion
Cobalt (Co)	[7440-48-4]	0,00157	%		Aqua Regia Digestion
Chromium (Cr)	[7440-47-3]	0,0106	%		Aqua Regia Digestion
Cesium (Cs)		0,000915	%		Aqua Regia Digestion
Copper (Cu)	[7440-50-8]	0,00364	%		Aqua Regia Digestion
Iron (Fe)	[7439-89-6]	3,93	%		Aqua Regia Digestion
Gallium (Ga)	[7440-55-3]	0,00108	%		Aqua Regia Digestion
Potassium (K)	[7440-09-7]	1,17	%		Aqua Regia Digestion
Lithium (Li)	[7439-93-2]	0,00456	%		Aqua Regia

					Digestion
Magnesium (Mg)	[7439-95-4]	1,36	%	Aqua Regia	Digestion
Manganese (Mn)	[7439-96-5]	0,035	%	Aqua Regia	Digestion
Molybdenum (Mo)	[7439-98-7]	0,000386	%	Aqua Regia	Digestion
Sodium (Na)	[7440-23-5]	0,108	%	Aqua Regia	Digestion
Nickel (Ni)	[7440-02-0]	0,0057	%	Aqua Regia	Digestion
Lead (Pb)	[7439-92-1]	0,000923	%	Aqua Regia	Digestion
Rubidium (Rb)	[7440-17-7]	0,0114	%	Aqua Regia	Digestion
Sulfur (S)	[7704-34-9]	0,2	%	Aqua Regia	Digestion
Scandium (Sc)	[7440-20-2]	0,000951	%	Aqua Regia	Digestion
Tin (Sn)	[7440-31-5]	0,000226	%	Aqua Regia	Digestion
Thorium (Th)	[7440-29-1]	0,00143	%	Aqua Regia	Digestion
Titanium (Ti)	[7440-32-6]	0,198	%	Aqua Regia	Digestion
Thallium (Tl)	[7440-28-0]	0,000066	%	Aqua Regia	Digestion
Uranium (U)	[7440-61-1]	0,000174	%	Aqua Regia	Digestion
Vanadium (V)	[7440-62-2]	0,0079	%	Aqua Regia	Digestion
Yttrium (Y)	[7440-65-5]	0,00123	%	Aqua Regia	Digestion
Zinc (Zn)	[7440-66-6]	0,0093	%	Aqua Regia	Digestion
Zirconium (Zr)	[7440-67-7]	0,00245	%	Aqua Regia	Digestion
Aluminium (Al)	[7429-90-5]	7,81	%	Borate / P	

					erioxide Fu sion ICP
Barium (Ba)	[7440-39-3]	0,0739	%		Borate / P erioxide Fu sion ICP
Beryllium (Be)	[7440-41-7]	0,000295	%		Borate / P erioxide Fu sion ICP
Calcium (Ca)	[7440-70-2]	1,06	%		Borate / P erioxide Fu sion ICP
Cerium (Ce)	[7440-45-1]	0,0086	%		Borate / P erioxide Fu sion ICP
Cobalt (Co)	[7440-48-4]	0,00169	%		Borate / P erioxide Fu sion ICP
Chromium (Cr)	[7440-47-3]	0,0142	%		Borate / P erioxide Fu sion ICP
Cesium (Cs)		0,00105	%		Borate / P erioxide Fu sion ICP
Dysprosium (Dy)	[7429-91-6]	0,000583	%		Borate / P erioxide Fu sion ICP
Erbium (Er)	[7440-52-0]	0,000341	%		Borate / P erioxide Fu sion ICP
Europium (Eu)	[7440-53-1]	0,000139	%		Borate / P erioxide Fu sion ICP
Iron (Fe)	[7439-89-6]	4,45	%		Borate / P erioxide Fu sion ICP
Gallium (Ga)	[7440-55-3]	0,00202	%		Borate / P erioxide Fu sion ICP

Gadolinium (Gd)	[7440-54-2]	0,000627	%	Borate / Peroxide Fusion ICP
Hafnium (Hf)	[7440-58-6]	0,000615	%	Borate / Peroxide Fusion ICP
Holmium (Ho)	[7440-60-0]	0,000117	%	Borate / Peroxide Fusion ICP
Potassium (K)	[7440-09-7]	2,74	%	Borate / Peroxide Fusion ICP
Lanthanum (La)	[7439-91-0]	0,0044	%	Borate / Peroxide Fusion ICP
Lithium (Li)	[7439-93-2]	0,0052	%	Borate / Peroxide Fusion ICP
Lutetium (Lu)	[7439-94-3]	0,000049	%	Borate / Peroxide Fusion ICP
Magnesium (Mg)	[7439-95-4]	1,62	%	Borate / Peroxide Fusion ICP
Manganese (Mn)	[7439-96-5]	0,046	%	Borate / Peroxide Fusion ICP
Sodium (Na)	[7440-23-5]	0,824	%	Borate / Peroxide Fusion ICP
Niobium (Nb)	[7440-03-1]	0,0016	%	Borate / Peroxide Fusion ICP
Neodymium (Nd)	[7440-00-8]	0,00387	%	Borate / Peroxide Fusion ICP
Nickel (Ni)	[7440-02-0]	0,0061	%	Borate / Peroxide Fusion ICP

					sion ICP
Praseodymium (Pr)	[7440-10-0]	0,00102	%		Borate / Peroxide Fusion ICP
Rubidium (Rb)	[7440-17-7]	0,0161	%		Borate / Peroxide Fusion ICP
Sulfur (S)	[7704-34-9]	0,203	%		Borate / Peroxide Fusion ICP
Scandium (Sc)	[7440-20-2]	0,00141	%		Borate / Peroxide Fusion ICP
Silicon (Si)	[7440-21-3]	31,12	%		Borate / Peroxide Fusion ICP
Samarium (Sm)	[7440-19-9]	0,000717	%		Borate / Peroxide Fusion ICP
Tin (Sn)	[7440-31-5]	0,000465	%		Borate / Peroxide Fusion ICP
Strontium (Sr)	[7440-24-6]	0,0125	%		Borate / Peroxide Fusion ICP
Tantalum (Ta)	[7440-25-7]	0,000132	%		Borate / Peroxide Fusion ICP
Terbium (Tb)	[7440-27-9]	0,000098	%		Borate / Peroxide Fusion ICP
Thorium (Th)	[7440-29-1]	0,00165	%		Borate / Peroxide Fusion ICP
Titanium (Ti)	[7440-32-6]	0,481	%		Borate / Peroxide Fusion ICP
Thallium (Tl)	[7440-28-0]	0,000091	%		Borate / P

					erioxide Fu sion ICP
Thulium (Tm)	[7440-30-4]	0,00005	%		Borate / P erioxide Fu sion ICP
Uranium (U)	[7440-61-1]	0,000331	%		Borate / P erioxide Fu sion ICP
Vanadium (V)	[7440-62-2]	0,0112	%		Borate / P erioxide Fu sion ICP
Tungsten (W)	[7440-33-7]	0,000413	%		Borate / P erioxide Fu sion ICP
Yttrium (Y)	[7440-65-5]	0,00325	%		Borate / P erioxide Fu sion ICP
Ytterbium (Yb)	[7440-64-4]	0,000324	%		Borate / P erioxide Fu sion ICP
Zirconium (Zr)	[7440-67-7]	0,0213	%		Borate / P erioxide Fu sion ICP
Carbon (C)	[7440-44-0]	0,189	%		Infrared C ombustion
Sulfur (S)	[7704-34-9]	0,19	%		Infrared C ombustion
Loss on Ignition (L.O.I ) (1000 °C)		2,46	%		Thermograv imetry
Al <sub>2</sub> O <sub>3</sub>		15,15	%		Borate Fus ion XRF
BaO		0,0819	%		Borate Fus ion XRF
CaO		1,47	%		Borate Fus ion XRF
Cr <sub>2</sub> O <sub>3</sub>		0,0201	%		Borate Fus ion XRF
Fe <sub>2</sub> O <sub>3</sub>		6,35	%		Borate Fus



				ion XRF
Potassium oxide (K <sub>2</sub> O)		3,39	%	Borate Fus ion XRF
Magnesium oxide (MgO)	[1309-48-4]	2,75	%	Borate Fus ion XRF
Manganese oxide (MnO)		0,059	%	Borate Fus ion XRF
Sodium oxide (Na <sub>2</sub> O)	[1313-59-3]	1,15	%	Borate Fus ion XRF
Phosphorous(V) oxide (P 2O <sub>5</sub> )		0,161	%	Borate Fus ion XRF
Silicon dioxide (SiO <sub>2</sub> )	[7631-86-9]	66	%	Borate Fus ion XRF
Titanium dioxide (TiO <sub>2</sub> )	[13463-67-7]	0,798	%	Borate Fus ion XRF