

Blank/lithochem/low-level, Matrix: granodiorite, Mineralisation Style: barren

Art. ID OREAS-20b-X
Unit on request
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Gold (Au)	[7440-57-5]	4	ppb	Pb Fire As say	
	Palladium (Pd)	[7440-05-3]	<1,00	ppb	Pb Fire As say	
	Platinum (Pt)	[7440-06-4]	<5,00	ppb	Pb Fire As say	
	Al ₂ O ₃		15,18	%	Borate Fus ion XRF	
	BaO		1145	ppm	Borate Fus ion XRF	
	CaO		2,44	%	Borate Fus ion XRF	
	Cr ₂ O ₃		119	ppm	Borate Fus ion XRF	
	Fe ₂ O ₃		4,32	%	Borate Fus ion XRF	
	K ₂ O		3,57	%	Borate Fus ion XRF	
	MgO	[1309-48-4]	1,28	%	Borate Fus ion XRF	
	MnO		0,048	%	Borate Fus ion XRF	
	Na ₂ O		2,78	%	Borate Fus ion XRF	
	P ₂ O ₅		0,195	%	Borate Fus ion XRF	
	SiO ₂		68,28	%	Borate Fus ion XRF	
	SO ₃		0,316	%	Borate Fus ion XRF	
	SrO		207	ppm	Borate Fus	

				ion XRF
TiO ₂		0,629	%	Borate Fus ion XRF
Loss on Ignition (L.O.I) (1000 °C)		0,783	%	Thermograv imetry
Aluminium (Al)	[7429-90-5]	8,08	%	Borate / P eroxide Fu sion ICP
Barium (Ba)	[7440-39-3]	1042	ppm	Borate / P eroxide Fu sion ICP
Beryllium (Be)	[7440-41-7]	2,93	ppm	Borate / P eroxide Fu sion ICP
Calcium (Ca)	[7440-70-2]	1,75	%	Borate / P eroxide Fu sion ICP
Cerium (Ce)	[7440-45-1]	80	ppm	Borate / P eroxide Fu sion ICP
Cobalt (Co)	[7440-48-4]	8,41	ppm	Borate / P eroxide Fu sion ICP
Chromium (Cr)	[7440-47-3]	63	ppm	Borate / P eroxide Fu sion ICP
Caesium (Cs)	[7440-46-2]	11,7	ppm	Borate / P eroxide Fu sion ICP
Copper (Cu)	[7440-50-8]	27	ppm	Borate / P eroxide Fu sion ICP
Dysprosium (Dy)	[7429-91-6]	5,96	ppm	Borate / P eroxide Fu sion ICP
Erbium (Er)	[7440-52-0]	3,07	ppm	Borate / P eroxide Fu sion ICP

Europium (Eu)	[7440-53-1]	1,45	ppm	Borate / Peroxide Fusion ICP
Iron (Fe)	[7439-89-6]	3,06	%	Borate / Peroxide Fusion ICP
Gallium (Ga)	[7440-55-3]	21,3	ppm	Borate / Peroxide Fusion ICP
Gadolinium (Gd)	[7440-54-2]	6,99	ppm	Borate / Peroxide Fusion ICP
Germanium (Ge)	[7440-56-4]	1,84	ppm	Borate / Peroxide Fusion ICP
Hafnium (Hf)	[7440-58-6]	6,96	ppm	Borate / Peroxide Fusion ICP
Holmium (Ho)	[7440-60-0]	1,12	ppm	Borate / Peroxide Fusion ICP
Indium (In)	[7440-74-6]	<0,20	ppm	Borate / Peroxide Fusion ICP
Potassium (K)	[7440-09-7]	2,98	%	Borate / Peroxide Fusion ICP
Lanthanum (La)	[7439-91-0]	38,9	ppm	Borate / Peroxide Fusion ICP
Lithium (Li)	[7439-93-2]	54	ppm	Borate / Peroxide Fusion ICP
Lutetium (Lu)	[7439-94-3]	0,4	ppm	Borate / Peroxide Fusion ICP
Magnesium (Mg)	[7439-95-4]	0,788	%	Borate / Peroxide Fusion ICP

					sion ICP
Manganese (Mn)	[7439-96-5]	0,038	%	Borate / Peroxide Fusion ICP	
Sodium (Na)	[7440-23-5]	2,04	%	Borate / Peroxide Fusion ICP	
Niobium (Nb)	[7440-03-1]	13,4	ppm	Borate / Peroxide Fusion ICP	
Neodymium (Nd)	[7440-00-8]	36,5	ppm	Borate / Peroxide Fusion ICP	
Nickel (Ni)	[7440-02-0]	22,8	ppm	Borate / Peroxide Fusion ICP	
Phosphorus (P)	[7723-14-0]	0,081	%	Borate / Peroxide Fusion ICP	
Lead (Pb)	[7439-92-1]	26,8	ppm	Borate / Peroxide Fusion ICP	
Praseodymium (Pr)	[7440-10-0]	9,34	ppm	Borate / Peroxide Fusion ICP	
Rubidium (Rb)	[7440-17-7]	176	ppm	Borate / Peroxide Fusion ICP	
Sulfur (S)	[7704-34-9]	0,129	%	Borate / Peroxide Fusion ICP	
Scandium (Sc)	[7440-20-2]	9,23	ppm	Borate / Peroxide Fusion ICP	
Silicon (Si)	[7440-21-3]	31,89	%	Borate / Peroxide Fusion ICP	
Samarium (Sm)	[7440-19-9]	7,79	ppm	Borate / P	

					erioxide Fu sion ICP
Tin (Sn)	[7440-31-5]	5,21	ppm		Borate / P erioxide Fu sion ICP
Strontium (Sr)	[7440-24-6]	160	ppm		Borate / P erioxide Fu sion ICP
Tantalum (Ta)	[7440-25-7]	1,19	ppm		Borate / P erioxide Fu sion ICP
Terbium (Tb)	[7440-27-9]	1,04	ppm		Borate / P erioxide Fu sion ICP
Thorium (Th)	[7440-29-1]	15,8	ppm		Borate / P erioxide Fu sion ICP
Titanium (Ti)	[7440-32-6]	0,376	%		Borate / P erioxide Fu sion ICP
Thallium (Tl)	[7440-28-0]	1,04	ppm		Borate / P erioxide Fu sion ICP
Thulium (Tm)	[7440-30-4]	0,43	ppm		Borate / P erioxide Fu sion ICP
Uranium (U)	[7440-61-1]	4,74	ppm		Borate / P erioxide Fu sion ICP
Vanadium (V)	[7440-62-2]	68	ppm		Borate / P erioxide Fu sion ICP
Tungsten (W)	[7440-33-7]	11,6	ppm		Borate / P erioxide Fu sion ICP
Yttrium (Y)	[7440-65-5]	31,5	ppm		Borate / P erioxide Fu sion ICP

Ytterbium (Yb)	[7440-64-4]	2,69	ppm	Borate / Peroxide Fusion ICP
Zinc (Zn)	[7440-66-6]	83	ppm	Borate / Peroxide Fusion ICP
Zirconium (Zr)	[7440-67-7]	254	ppm	Borate / Peroxide Fusion ICP
Silver (Ag)	[7440-22-4]	0,088	ppm	4-Acid Digestion
Aluminium (Al)	[7429-90-5]	7,63	%	4-Acid Digestion
Arsenic (As)	[7440-38-2]	2,05	ppm	4-Acid Digestion
Barium (Ba)	[7440-39-3]	1056	ppm	4-Acid Digestion
Beryllium (Be)	[7440-41-7]	2,68	ppm	4-Acid Digestion
Bismuth (Bi)	[7440-69-9]	0,79	ppm	4-Acid Digestion
Calcium (Ca)	[7440-70-2]	1,73	%	4-Acid Digestion
Cadmium (Cd)	[7440-43-9]	0,19	ppm	4-Acid Digestion
Cerium (Ce)	[7440-45-1]	79	ppm	4-Acid Digestion
Cobalt (Co)	[7440-48-4]	8,4	ppm	4-Acid Digestion
Chromium (Cr)	[7440-47-3]	47,9	ppm	4-Acid Digestion
Caesium (Cs)	[7440-46-2]	12	ppm	4-Acid Digestion
Copper (Cu)	[7440-50-8]	22,7	ppm	4-Acid Digestion
Dysprosium (Dy)	[7429-91-6]	3,76	ppm	4-Acid Digestion
Erbium (Er)	[7440-52-0]	1,43	ppm	4-Acid Digestion

					estion
Europium (Eu)	[7440-53-1]	1,5	ppm	4-Acid Dig	estion
Iron (Fe)	[7439-89-6]	2,98	%	4-Acid Dig	estion
Gallium (Ga)	[7440-55-3]	21	ppm	4-Acid Dig	estion
Gadolinium (Gd)	[7440-54-2]	6,09	ppm	4-Acid Dig	estion
Germanium (Ge)	[7440-56-4]	0,16	ppm	4-Acid Dig	estion
Hafnium (Hf)	[7440-58-6]	1,96	ppm	4-Acid Dig	estion
Holmium (Ho)	[7440-60-0]	0,6	ppm	4-Acid Dig	estion
Indium (In)	[7440-74-6]	0,067	ppm	4-Acid Dig	estion
Potassium (K)	[7440-09-7]	2,95	%	4-Acid Dig	estion
Lanthanum (La)	[7439-91-0]	38,1	ppm	4-Acid Dig	estion
Lithium (Li)	[7439-93-2]	56	ppm	4-Acid Dig	estion
Lutetium (Lu)	[7439-94-3]	0,17	ppm	4-Acid Dig	estion
Magnesium (Mg)	[7439-95-4]	0,749	%	4-Acid Dig	estion
Manganese (Mn)	[7439-96-5]	0,036	%	4-Acid Dig	estion
Molybdenum (Mo)	[7439-98-7]	2,65	ppm	4-Acid Dig	estion
Sodium (Na)	[7440-23-5]	2,04	%	4-Acid Dig	estion
Niobium (Nb)	[7440-03-1]	13,2	ppm	4-Acid Dig	estion
Neodymium (Nd)	[7440-00-8]	34,5	ppm	4-Acid Dig	estion
Nickel (Ni)	[7440-02-0]	18,7	ppm	4-Acid Dig	estion

					estion
Phosphorus (P)	[7723-14-0]	0,083	%	4-Acid Dig	estion
Lead (Pb)	[7439-92-1]	24,5	ppm	4-Acid Dig	estion
Praseodymium (Pr)	[7440-10-0]	8,96	ppm	4-Acid Dig	estion
Rubidium (Rb)	[7440-17-7]	173	ppm	4-Acid Dig	estion
Rhenium (Re)	[7440-15-5]	<0,002	ppm	4-Acid Dig	estion
Sulfur (S)	[7704-34-9]	0,129	%	4-Acid Dig	estion
Antimony (Sb)	[7440-36-0]	0,26	ppm	4-Acid Dig	estion
Scandium (Sc)	[7440-20-2]	8,78	ppm	4-Acid Dig	estion
Samarium (Sm)	[7440-19-9]	7,15	ppm	4-Acid Dig	estion
Tin (Sn)	[7440-31-5]	5,05	ppm	4-Acid Dig	estion
Strontium (Sr)	[7440-24-6]	161	ppm	4-Acid Dig	estion
Tantalum (Ta)	[7440-25-7]	1,17	ppm	4-Acid Dig	estion
Terbium (Tb)	[7440-27-9]	0,77	ppm	4-Acid Dig	estion
Tellurium (Te)	[13494-80-9]	<0,050	ppm	4-Acid Dig	estion
Thorium (Th)	[7440-29-1]	15,1	ppm	4-Acid Dig	estion
Titanium (Ti)	[7440-32-6]	0,371	%	4-Acid Dig	estion
Thallium (Tl)	[7440-28-0]	0,97	ppm	4-Acid Dig	estion
Thulium (Tm)	[7440-30-4]	0,19	ppm	4-Acid Dig	estion
Uranium (U)	[7440-61-1]	4,04	ppm	4-Acid Dig	estion

Vanadium (V)	[7440-62-2]	62	ppm	estion 4-Acid Dig
Tungsten (W)	[7440-33-7]	11,3	ppm	estion 4-Acid Dig
Yttrium (Y)	[7440-65-5]	15,8	ppm	estion 4-Acid Dig
Ytterbium (Yb)	[7440-64-4]	1,07	ppm	estion 4-Acid Dig
Zinc (Zn)	[7440-66-6]	82	ppm	estion 4-Acid Dig
Zirconium (Zr)	[7440-67-7]	62	ppm	estion 4-Acid Dig
Silver (Ag)	[7440-22-4]	0,085	ppm	estion Aqua Regia Digestion
Aluminium (Al)	[7429-90-5]	2,15	%	Aqua Regia Digestion
Arsenic (As)	[7440-38-2]	2,09	ppm	Aqua Regia Digestion
Boron (B)	[7440-42-8]	<10,0	ppm	Aqua Regia Digestion
Barium (Ba)	[7440-39-3]	532	ppm	Aqua Regia Digestion
Beryllium (Be)	[7440-41-7]	1,77	ppm	Aqua Regia Digestion
Bismuth (Bi)	[7440-69-9]	0,83	ppm	Aqua Regia Digestion
Calcium (Ca)	[7440-70-2]	0,403	%	Aqua Regia Digestion
Cadmium (Cd)	[7440-43-9]	0,084	ppm	Aqua Regia Digestion
Cerium (Ce)	[7440-45-1]	39,2	ppm	Aqua Regia Digestion
Cobalt (Co)	[7440-48-4]	8,23	ppm	Aqua Regia Digestion
Chromium (Cr)	[7440-47-3]	57	ppm	Aqua Regia Digestion
Caesium (Cs)	[7440-46-2]	10,2	ppm	Aqua Regia

					Digestion
Copper (Cu)	[7440-50-8]	22,5	ppm	Aqua Regia	Digestion
Iron (Fe)	[7439-89-6]	2,87	%	Aqua Regia	Digestion
Gallium (Ga)	[7440-55-3]	9,95	ppm	Aqua Regia	Digestion
Germanium (Ge)	[7440-56-4]	0,12	ppm	Aqua Regia	Digestion
Hafnium (Hf)	[7440-58-6]	0,33	ppm	Aqua Regia	Digestion
Mercury (Hg)	[7439-97-6]	<0,010	ppm	Aqua Regia	Digestion
Indium (In)	[7440-74-6]	0,063	ppm	Aqua Regia	Digestion
Potassium (K)	[7440-09-7]	1,04	%	Aqua Regia	Digestion
Lanthanum (La)	[7439-91-0]	18,8	ppm	Aqua Regia	Digestion
Lithium (Li)	[7439-93-2]	45	ppm	Aqua Regia	Digestion
Magnesium (Mg)	[7439-95-4]	0,728	%	Aqua Regia	Digestion
Manganese (Mn)	[7439-96-5]	0,031	%	Aqua Regia	Digestion
Molybdenum (Mo)	[7439-98-7]	2,31	ppm	Aqua Regia	Digestion
Sodium (Na)	[7440-23-5]	0,156	%	Aqua Regia	Digestion
Niobium (Nb)	[7440-03-1]	0,81	ppm	Aqua Regia	Digestion
Nickel (Ni)	[7440-02-0]	18,5	ppm	Aqua Regia	Digestion
Phosphorus (P)	[7723-14-0]	0,063	%	Aqua Regia	Digestion
Lead (Pb)	[7439-92-1]	4,42	ppm	Aqua Regia	Digestion
Rubidium (Rb)	[7440-17-7]	110	ppm	Aqua Regia	

					Digestion
Rhenium (Re)	[7440-15-5]	<0,001	ppm	Aqua Regia	Digestion
Sulfur (S)	[7704-34-9]	0,135	%	Aqua Regia	Digestion
Antimony (Sb)	[7440-36-0]	0,13	ppm	Aqua Regia	Digestion
Scandium (Sc)	[7440-20-2]	8,37	ppm	Aqua Regia	Digestion
Selenium (Se)	[7782-49-2]	0,34	ppm	Aqua Regia	Digestion
Tin (Sn)	[7440-31-5]	3,85	ppm	Aqua Regia	Digestion
Strontium (Sr)	[7440-24-6]	19	ppm	Aqua Regia	Digestion
Terbium (Tb)	[7440-27-9]	0,51	ppm	Aqua Regia	Digestion
Thorium (Th)	[7440-29-1]	8,07	ppm	Aqua Regia	Digestion
Titanium (Ti)	[7440-32-6]	0,292	%	Aqua Regia	Digestion
Thallium (Tl)	[7440-28-0]	0,67	ppm	Aqua Regia	Digestion
Uranium (U)	[7440-61-1]	3,52	ppm	Aqua Regia	Digestion
Vanadium (V)	[7440-62-2]	62	ppm	Aqua Regia	Digestion
Tungsten (W)	[7440-33-7]	6,95	ppm	Aqua Regia	Digestion
Yttrium (Y)	[7440-65-5]	10,7	ppm	Aqua Regia	Digestion
Ytterbium (Yb)	[7440-64-4]	0,72	ppm	Aqua Regia	Digestion
Zinc (Zn)	[7440-66-6]	78	ppm	Aqua Regia	Digestion
Zirconium (Zr)	[7440-67-7]	7,94	ppm	Aqua Regia	Digestion
Carbon (C)	[7440-44-0]	0,047	%	Infrared C	

				ombustion
Sulfur (S)	[7704-34-9]	0,125	%	Infrared C ombustion