

Li ore, Matrix: pegmatite, Mineralisation Style: pegmatitic

Art. ID	OREAS-750b-10G
Unit	10 g
Deliverydetails	No Dangerous Good /not restricted

Description

OREAS-750b has been prepared from a blend of spodumene concentrate derived from the processing of lithium pegmatite ores sourced from the Greenbushes area of southwest Western Australia, Londonderry lithium-pegmatite ore (containing elevated levels of lithium, rubidium, cesium, tin and tantalum), barren granodiorite and quartz. The barren granodiorite was sourced from the mafic, S-Type, Late Devonian Bulla Granodiorite complex located in northern Melbourne, Australia.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Silver (Ag)	[7440-22-4]	0,094	ppm	4-Acid Digestion	
	Al ₂ O ₃		7,63	wt. %	Borate Fusion XRF	
	Aluminium (Al)	[7429-90-5]	3,91	wt. %	4-Acid Digestion	
	Aluminium (Al)	[7429-90-5]	4,02	wt. %	Borate / Peroxide Fusion ICP	
	Arsenic (As)	[7440-38-2]	2,88	ppm	4-Acid Digestion	
	Barium (Ba)	[7440-39-3]	370	ppm	4-Acid Digestion	
	Barium (Ba)	[7440-39-3]	371	ppm	Borate / Peroxide Fusion ICP	
	BaO		407	ppm	Borate Fusion XRF	
	Beryllium (Be)	[7440-41-7]	3,53	ppm	4-Acid Digestion	
	Beryllium (Be)	[7440-41-7]	3,88	ppm	Borate / Peroxide Fusion ICP	
	Bismuth (Bi)	[7440-69-9]	0,44	ppm	4-Acid Digestion	
	Bismuth (Bi)	[7440-69-9]	0,46	ppm	Borate / Peroxide Fusion ICP	

					sion ICP
Calcium (Ca)	[7440-70-2]	0,609	wt. %		4-Acid Digestion
Calcium (Ca)	[7440-70-2]	0,601	wt. %		Borate / Peroxide Fusion ICP
CaO		0,851	wt. %		Borate Fusion XRF
Cadmium (Cd)	[7440-43-9]	0,09	ppm		4-Acid Digestion
Cerium (Ce)	[7440-45-1]	29,8	ppm		4-Acid Digestion
Cerium (Ce)	[7440-45-1]	29,6	ppm		Borate / Peroxide Fusion ICP
Cobalt (Co)	[7440-48-4]	2,99	ppm		4-Acid Digestion
Cobalt (Co)	[7440-48-4]	3,13	ppm		Borate / Peroxide Fusion ICP
Cr ₂ O ₃		< 100	ppm		Borate Fusion XRF
Chromium (Cr)	[7440-47-3]	17,9	ppm		4-Acid Digestion
Caesium (Cs)	[7440-46-2]	39,1	ppm		Borate / Peroxide Fusion ICP
Caesium (Cs)	[7440-46-2]	39,2	ppm		4-Acid Digestion
Copper (Cu)	[7440-50-8]	10,7	ppm		4-Acid Digestion
Dysprosium (Dy)	[7429-91-6]	1,52	ppm		4-Acid Digestion
Dysprosium (Dy)	[7429-91-6]	2,21	ppm		Borate / Peroxide Fusion ICP
Erbium (Er)	[7440-52-0]	0,59	ppm		4-Acid Digestion

Erbium (Er)	[7440-52-0]	1,13	ppm	Borate / Peroxide Fusion ICP
Europium (Eu)	[7440-53-1]	0,52	ppm	4-Acid Digestion
Europium (Eu)	[7440-53-1]	0,52	ppm	Borate / Peroxide Fusion ICP
Fe ₂ O ₃		1,53	wt. %	4-Acid Digestion
Fe ₂ O ₃		1,56	wt. %	Borate / Peroxide Fusion ICP
Fe ₂ O ₃		1,56	wt. %	Borate Fusion XRF
Gallium (Ga)	[7440-55-3]	16,8	ppm	4-Acid Digestion
Gallium (Ga)	[7440-55-3]	16,9	ppm	Borate / Peroxide Fusion ICP
Gadolinium (Gd)	[7440-54-2]	2,28	ppm	4-Acid Digestion
Gadolinium (Gd)	[7440-54-2]	2,64	ppm	Borate / Peroxide Fusion ICP
Germanium (Ge)	[7440-56-4]	1,49	ppm	Borate / Peroxide Fusion ICP
Hafnium (Hf)	[7440-58-6]	1,21	ppm	4-Acid Digestion
Holmium (Ho)	[7440-60-0]	0,24	ppm	4-Acid Digestion
Holmium (Ho)	[7440-60-0]	0,4	ppm	Borate / Peroxide Fusion ICP
Indium (In)	[7440-74-6]	0,021	ppm	4-Acid Digestion
Indium (In)	[7440-74-6]	< 0,20	ppm	Borate / P

					eroxide Fu sion ICP
K ₂ O		1,39	wt. %		Borate Fus ion XRF
Potassium (K)	[7440-09-7]	1,15	wt. %		4-Acid Dig estion
Potassium (K)	[7440-09-7]	1,18	wt. %		Borate / P eroxide Fu sion ICP
Lanthanum (La)	[7439-91-0]	14,4	ppm		4-Acid Dig estion
Lanthanum (La)	[7439-91-0]	14,6	ppm		Borate / P eroxide Fu sion ICP
Li ₂ O		0,527	wt. %		4-Acid Dig estion
Li ₂ O		0,529	wt. %		Borate / P eroxide Fu sion ICP
Lithium (Li)	[7439-93-2]	0,246	wt. %		Borate / P eroxide Fu sion ICP
Lithium (Li)	[7439-93-2]	0,245	wt. %		4-Acid Dig estion
Loss on Ignition (L.O.I) (1000 °C)		0,57	wt. %		Thermograv imetry
Lutetium (Lu)	[7439-94-3]	0,065	ppm		4-Acid Dig estion
Lutetium (Lu)	[7439-94-3]	0,16	ppm		Borate / P eroxide Fu sion ICP
Magnesium (Mg)	[7439-95-4]	0,267	wt. %		4-Acid Dig estion
Magnesium (Mg)	[7439-95-4]	0,266	wt. %		Borate / P eroxide Fu sion ICP
MgO	[1309-48-4]	0,452	wt. %		Borate Fus ion XRF

Manganese (Mn)	[7439-96-5]	0,039	wt.%	4-Acid Digestion
Manganese (Mn)	[7439-96-5]	0,039	wt.%	Borate / Peroxide Fusion ICP
MnO		0,05	wt.%	Borate Fusion XRF
Molybdenum (Mo)	[7439-98-7]	1,6	ppm	4-Acid Digestion
Na ₂ O		1,01	wt.%	Borate Fusion XRF
Sodium (Na)	[7440-23-5]	0,755	wt.%	4-Acid Digestion
Niobium (Nb)	[7440-03-1]	28,4	ppm	4-Acid Digestion
Niobium (Nb)	[7440-03-1]	29,3	ppm	Borate / Peroxide Fusion ICP
Niobium (Nb)	[7440-03-1]	< 50	ppm	Borate Fusion XRF
Neodymium (Nd)	[7440-00-8]	13,5	ppm	4-Acid Digestion
Neodymium (Nd)	[7440-00-8]	13,2	ppm	Borate / Peroxide Fusion ICP
Nickel (Ni)	[7440-02-0]	7,66	ppm	4-Acid Digestion
P ₂ O ₅		0,088	wt.%	Borate Fusion XRF
Phosphorus (P)	[7723-14-0]	0,039	wt.%	4-Acid Digestion
Phosphorus (P)	[7723-14-0]	0,039	wt.%	Borate / Peroxide Fusion ICP
Lead (Pb)	[7439-92-1]	9,55	ppm	4-Acid Digestion
Lead (Pb)	[7439-92-1]	9,64	ppm	Borate / Peroxide Fusion ICP

					sion ICP
Praseodymium (Pr)	[7440-10-0]	3,65	ppm	4-Acid Dig	estion
Praseodymium (Pr)	[7440-10-0]	3,49	ppm	Borate / P	erioxide Fu sion ICP
Rubidium (Rb)	[7440-17-7]	288	ppm	4-Acid Dig	estion
Rubidium (Rb)	[7440-17-7]	287	ppm	Borate / P	erioxide Fu sion ICP
Rubidium (Rb)	[7440-17-7]	259	ppm	Borate Fus	ion XRF
Rhenium (Re)	[7440-15-5]	< 0,002	ppm	4-Acid Dig	estion
Rhenium (Re)	[7440-15-5]	< 0,10	ppm	Borate / P	erioxide Fu sion ICP
Sulfur (S)	[7704-34-9]	0,045	wt.%	4-Acid Dig	estion
Antimony (Sb)	[7440-36-0]	0,39	ppm	4-Acid Dig	estion
Scandium (Sc)	[7440-20-2]	3,2	ppm	4-Acid Dig	estion
Silicon (Si)	[7440-21-3]	40,13	wt.%	Borate / P	erioxide Fu sion ICP
SiO ₂		85,46	wt.%	Borate Fus	ion XRF
Samarium (Sm)	[7440-19-9]	2,69	ppm	4-Acid Dig	estion
Samarium (Sm)	[7440-19-9]	2,79	ppm	Borate / P	erioxide Fu sion ICP
Tin (Sn)	[7440-31-5]	25,8	ppm	4-Acid Dig	estion
Tin (Sn)	[7440-31-5]	38,7	ppm	Borate / P	erioxide Fu

					sion ICP
SO ₃		0,105	wt.%		Borate Fus ion XRF
Strontium (Sr)	[7440-24-6]	60	ppm		4-Acid Dig estion
Strontium (Sr)	[7440-24-6]	62	ppm		Borate / P erioxide Fu sion ICP
SrO		96	ppm		Borate Fus ion XRF
Tantalum (Ta)	[7440-25-7]	69	ppm		Borate / P erioxide Fu sion ICP
Tantalum (Ta)	[7440-25-7]	64	ppm		4-Acid Dig estion
Terbium (Tb)	[7440-27-9]	0,31	ppm		4-Acid Dig estion
Terbium (Tb)	[7440-27-9]	0,4	ppm		Borate / P erioxide Fu sion ICP
Tellurium (Te)	[13494-80-9]	< 0,050	ppm		4-Acid Dig estion
Thorium (Th)	[7440-29-1]	5,94	ppm		4-Acid Dig estion
Thorium (Th)	[7440-29-1]	5,96	ppm		Borate / P erioxide Fu sion ICP
Titanium (Ti)	[7440-32-6]	0,151	wt.%		4-Acid Dig estion
Titanium (Ti)	[7440-32-6]	0,154	wt.%		Borate / P erioxide Fu sion ICP
TiO ₂		0,257	wt.%		Borate Fus ion XRF
Thallium (Tl)	[7440-28-0]	1,93	ppm		4-Acid Dig estion
Thallium (Tl)	[7440-28-0]	1,96	ppm		Borate / P erioxide Fu

					sion ICP
Thulium (Tm)	[7440-30-4]	0,071	ppm	4-Acid Dig	estion
Thulium (Tm)	[7440-30-4]	0,16	ppm	Borate / P	erioxide Fu sion ICP
Uranium (U)	[7440-61-1]	1,91	ppm	4-Acid Dig	estion
Uranium (U)	[7440-61-1]	2,28	ppm	Borate / P	erioxide Fu sion ICP
Vanadium (V)	[7440-62-2]	22,8	ppm	4-Acid Dig	estion
Vanadium (V)	[7440-62-2]	22,8	ppm	Borate / P	erioxide Fu sion ICP
Tungsten (W)	[7440-33-7]	5,08	ppm	4-Acid Dig	estion
Tungsten (W)	[7440-33-7]	5,54	ppm	Borate / P	erioxide Fu sion ICP
Yttrium (Y)	[7440-65-5]	6,13	ppm	4-Acid Dig	estion
Yttrium (Y)	[7440-65-5]	11,4	ppm	Borate / P	erioxide Fu sion ICP
Ytterbium (Yb)	[7440-64-4]	0,46	ppm	4-Acid Dig	estion
Ytterbium (Yb)	[7440-64-4]	1,04	ppm	Borate / P	erioxide Fu sion ICP
Zinc (Zn)	[7440-66-6]	60	ppm	4-Acid Dig	estion
Zinc (Zn)	[7440-66-6]	57	ppm	Borate / P	erioxide Fu sion ICP
Zirconium (Zr)	[7440-67-7]	27,8	ppm	4-Acid Dig	estion

