

Requested: One (1) sample for chemical analyses:

1. Whole Rock

Analyte	Method	Units	Lower Det. Limit	#1 Thorium Ore lab # 92333
Aluminum Oxide (Al ₂ O ₃)	ICP	%	0.005	2.42
Barium Oxide (BaO)	ICP	%	0.005	0.045
Calcium Oxide (CaO)	ICP	%	0.005	5.23
Cadmium Oxide (CdO)	ICP	%	0.005	0.015
Cobalt Oxide (CoO)	ICP	%	0.005	0.025
Chromium Oxide (Cr ₂ O ₃)	ICP	%	0.005	0.036
Ferric Oxide (Fe ₂ O ₃)	ICP	%	0.005	11.5
Magnesium Oxide (MgO)	ICP	%	0.005	1.47
Manganese Oxide (MnO)	ICP	%	0.005	0.197
Lead Oxide (PbO)	ICP	%	0.01	0.026
Titanium Oxide (TiO ₂)	ICP	%	0.005	0.058
Vanadium Pentoxide (V ₂ O ₅)	ICP	%	0.01	0.011
Zinc Oxide (ZnO)	ICP	%	0.01	0.108
Sodium Chloride (NaCl)	ICP	%	0.05	0.521
Potassium Oxide (K ₂ O)	ICP	%	0.05	0.208
Silica (SiO ₂)	ICP	%	0.01	74.6
Arsenic Oxide (As ₂ O ₃)	ICP	%	0.01	0.005
Selenium Oxide (SeO ₂)	ICP	%	0.01	0.109
Copper Oxide (Cu ₂ O)	ICP	%	0.01	0.015
Total Sulfur (Total S)	LECO S Analyzer	%	0.02	0.163
Loss on Ignition	Furnace	%	0.01	1.79
Total		%		98.5

Kyle Schick, General Manager

Requested: Two (2) samples for chemical analysis:

Analyte	Units	#1 Ore of Thorium lab # 92333	#2 Liquid Thorium lab # 92334
<i>Dysprosium</i>	ppm	32.3	16.2
<i>Cerium</i>	ppm	0.88	0.14
<i>Erbium</i>	ppm	4.74	1.58
<i>Gadolinium</i>	ppm	4.67	1.82
<i>Indium</i>	ppm	5.21	0.25
<i>Lanthanum</i>	ppm	< 1.0	< 1.0
<i>Lutetium</i>	ppm	1.25	0.17
<i>Neodymium</i>	ppm	1.88	0.84
<i>Samarium</i>	ppm	12.4	7.81
<i>Terbium</i>	ppm	4.31	1.36
<i>Ytterbium</i>	ppm	2.59	0.76
<i>Yttrium</i>	ppm	24.6	13.9
<i>Scandium</i>	ppm	3.57	< 0.2
<i>Praseodymium</i>	ppm	< 0.5	< 0.1
<i>Europium</i>	ppm	< 1.0	< 0.5
<i>Holmium</i>	ppm	1.06	0.61
<i>Thulium</i>	ppm	0.48	< 0.1
<i>Thorium</i>	Ppm	763.	3.17

Kyle Schick, General Manager