



ION-MIN[®] Certificate of Analysis

Element	abbrev	ratio	Element	abbrev	ratio
Inert Elements			Molybdenum	Mo	3 ppm
Aluminum oxide	Al ₂ O ₃	18.3%	Neobymium	Nd	42 ppm
Bioavailable Elements			Beryllium	Be	2.4 ppm
Silica	SiO ₂	55.3%	Gallium	Ga	21 ppm
Calcium	CaO	4.69%	Selenium	Se	3 ppm
Iron Oxide	FeO	0.14%	Tungsten	W	3 ppm
Ferrous Oxide	Fe ₂ O ₃	4.35%	Germanium	Ge	10 ppm
Magnesium	MgO	2.88%	Cerium	Ce	79 ppm
Potassium	K ₂ O	2.8%	Rubidium	Rb	129 ppm
Phosphorus	P ₂ O ₅	0.15%	Yttrium	Y	2 ppm
Sodium	Na ₂ O	1.13%	Niobium	Nb	17 ppm
Manganese	Mn ₂ O ₃	0.04%	Cadmium	Cd	5 ppm
Lanthanum	La	45 ppm	Scandium	Sc	16 ppm
Titanium	TiO ₂	0.68%	Samarium	Sm	6.8 ppm
Copper	CuO	34.8 ppm	Europium	Eu	1.1 ppm
Cobalt	CoO	28 ppm	Terbium	Tb	1.3 ppm
Barium	BaO	461 ppm	Hafnium	Hf	4 ppm
Zinc	Zn	97.3 ppm	Ytterbium	Yb	2.8 ppm
Gold	Au	5 ppb	Praseodymium	Pr	9.1 ppm
Platinum	Pt	11 ppb	Gadolinium	Gd	5.6 ppm
Chromium	Cr ₂ O ₃	100 ppm	Dysprosium	Dy	4.8 ppm
Strontium	SrO	205 ppm	Holmium	Ho	1.04 ppm
Nickel	NiO	51 ppm	Erbium	Er	3.0 ppm
Zirconium	ZrO ₂	143 ppm	Thulium	Tm	2.8 ppm
Boron	B ₂ O ₃	108 ppm	Yttrium	Y	34 ppm
Cesium	Cs	12 ppm	Lead	Pb	5 ppm
Tin	Sn	5 ppm	Arsenic Oxide	As	5 ppm
Thorium	Th	15 ppm	Silver	Ag	1 ppb
Bismuth	Bi	5 ppm	Palladium	Pd	1 ppb
Bromine	Br	6 ppm	Iodine	I	< 1 ppb
Vanadium	V ₂ O ₅	127 ppm	Lithium	Li	<1 ppb
Sulfur	SO ₃	.05%	Mercury	Hg	none
Tantalum	Ta	2 ppm	Nitrate	NO ₃	none

Analysis performed by: XRAL Laboratories/SGS Group; using MGS, XRF, other analyses

Measured as a percentage of product dry; however all packaged products will contain some amount of moisture. Product is 100% natural and contains no additives, preservatives, biotic organism or pathogens
 (* California Earth Minerals provided classification of inert and bio-available minerals for this document)