



# AZOMITE®

MINERAL PRODUCTS, INC.

## AZOMITE® Ore – Certificate of Analysis

Testing Method was Spark Source Mass Spectrometry

This analysis is what scientists refer to as a "Typical Analysis" (similar to an average analysis) and it is not a "Guaranteed Analysis" from a regulatory standpoint. AZOMITE® is a natural, mined product and we expect some variations in the various elemental components. The analysis is offered for those who wish to know generally what elements are commonly found in AZOMITE® with sophisticated scientific analytical methods.

<u>Mineral Analysis</u>		<u>Element Analysis con't.</u>	
Alumina, Al <sub>2</sub> O <sub>3</sub>	11.43%	Gold, Au	0.005
Barium oxide, BaO	0.09%	Hafnium, Hf	21
Calcium oxide, CaO	3.67%	Holmium, Ho	0.6
Carbon, C	0.61%	Indium, In	0.01
Chlorine, Cl	0.22%	Iodine, I	2.2
Ferric oxide, Fe <sub>2</sub> O <sub>3</sub>	1.37%	Lanthanum, La	220
Hydrogen, H	0.38%	Lead, Pb	6.2
Magnesium oxide, MgO	0.78%	Lithium, Li	859
Manganese oxide, MnO <sub>2</sub>	0.02%	Lutetium, Lu	0.5
Nitrogen, N	0.15%	Mercury, Hg	0.01
Oxygen, O	0.73%	Molybdenum, Mo	0.23
Phosphorus pentoxide, P <sub>2</sub> O <sub>5</sub>	0.15%	Neodymium, Nd	5.1
Potassium oxide, K <sub>2</sub> O	5.23%	Nickel, Ni	2.6
Silicon dioxide, SiO <sub>2</sub>	65.85%	Niobium, Nb	40
Sodium oxide, Na <sub>2</sub> O	2.07%	Palladium, Pd	0.008
Strontium oxide, SrO	0.03%	Praseodymium, Pr	27
Sulfur trioxide, SO <sub>3</sub>	0.21%	Rhenium, Re	0.011
Titanium dioxide, TiO <sub>2</sub>	0.20%	Rhodium, Rh	0.002
Loss on Incineration	6.43%	Rubidium, Rb	325
		Ruthenium, Ru	0.013
		Samarium, Sm	6.2
		Scandium, Sc	2.7
		Selenium, Se	0.7
		Silver, Ag	0.005
		Strontium, Sr	380
		Sulfur, S	240
		Tantalum, Ta	2.7
		Tellurium, Te	0.022
		Terbium, Tb	0.8
		Thallium, Tl	5.9
		Thorium, Th	180
		Thulium, Tm	0.6
		Tin, Sn	2.9
		Tungsten, W	26
		Uranium, U	4
		Vanadium, V	7.8
		Ytterbium, Yb	1.4
		Yttrium, Y	23
		Zinc, Zn	64.3
		Zirconium, Zr	62.7

  

<u>Additional Element Analysis</u>		<u>ppm</u>
Antimony, Sb	0.4	
Arsenic, As	1.1	
Beryllium, Be	3.3	
Bismuth, Bi	3.5	
Boron, B	29	
Bromine, Br	6.6	
Cadmium, Cd	0.3	
Cerium, Ce	230	
Cesium, Cs	21.7	
Chromium, Cr	6.1	
Cobalt, Co	22.3	
Copper, Cu	12	
Dysprosium, Dy	2.7	
Erbium, Er	1.7	
Europium, Eu	3.7	
Fluorine, F	390	
Gadolinium, Gd	3.7	
Gallium, Ga	15	
Germanium, Ge	6.1	

AZOMITE Mineral Products, Inc. hereby certifies that this analysis is a typical analysis of AZOMITE®