

Home

About AZOMITE®

AZOMITE® Results

Testimonials

FAQ

Contact

Order

Links

AZOMITE® USA Mineral Analysis

MINERAL ANALYSIS

Below is an independent chemical analysis of **AZOMITE®**. This analysis is an average of many different "core samples" taken in various spots around the 600-hectare face of the mine in Utah.

Notice that **AZOMITE®** contains every mineral which science textbooks list as beneficial, in addition to a full range of trace elements whose biochemical function science may not fully comprehend.

Typical Mineral Analysis

Alumina (Al ₂ O ₃)*	11.43%	Oxygen (O)	.73%
Barium oxide (BaO)	.09%	Phosphorous pentoxide (P ₅ O ₅)	.15%
Calcium oxide (CaO)	3.67%	Potassium oxide (K ₂ O)	5.23%

Carbon (C)	.61%	<u>Silica</u> oxide (SiO2)	65.85%
Chlorine (Cl)	.22%	<u>Sodium</u> oxide (NaO2)	2.07%
<u>Ferric</u> oxide (Fe2O3)	1.37%	Strontium oxide (SrO)	.03%
Hydrogen (H)	.38%	<u>Sulfur</u> trioxide (SO3)	.21%
<u>Magnesium</u> oxide (MgO)	.78%	Titania (TiO2)	.20%
<u>Manganese</u> oxide (Mn2O3)	.02%		
<u>Nitrogen</u> (N)	.15%		

- Trace Elements (below) 0.38% LOI @750° C** 6.43%
- *The alumina is not biologically available. It is bound to the silica and is an aluminosilicate. Sand, clay, most rock deposits, and soil deposits are primarily aluminosilicates.
- **LOI - "Loss on Incineration" during the trace analysis by Spark Source Mass Spectrometry.
- Underlined = essential for most living species of plants and animals

Element Analysis

	<u>PPM</u>		<u>PPM</u>		<u>PPM</u>
Antimony (Sb)	0.4	Hafnium (Hf)	21	Scandium (Sc)	2.7
Arsenic (As)	1.1	Holmium (Ho)	0.6	Selenium (Se)	0.7
Beryllium (Be)	3.3	Indium (In)	.010	Silver (Ag)	.005
Bismuth (Bi)	3.5	<u>Iodine</u> (I)	2.2	Strontium(Sr)	380
<u>Boron</u> (B)	29	Lanthanum (La)	220	Sulfur (S)	240
Bromine (Br)	6.6	Lead (Pb)	6.2	Tantalum (Ta)	2.7
Cadmium (Cd)	0.3	Lithium (Li)	859	Tellurium (Te)	.022
Cerium (Ce)	230	Lutetium (Lu)	0.5	Terbium (Tb)	0.8
Cesium (Cs)	21.7	Mercury (Hg)	0.01	Thallium (Tl)	5.9
<u>Chromium</u> (Cr)	6.1	<u>Molybdenum</u> (Mo)	12.6	Thorium (Th)	180
<u>Cobalt</u> (Co)	22.3	Neodymium (Nd)	5.1	Thulium (Tm)	0.6
<u>Copper</u> (Cu)	12	Nickel (Ni)	2.6	Tin (S)	2.9
Dysprosium (Dy)	2.7	Niobium (Nb)	40	Tungsten (W)	26
Erbium (Er)	1.7	Palladium (Pd)	.008	Uranium (U)	4
Europium (Eu)	3.7	Praseodymium (Pr)	27	<u>Vanadium</u> (V)	7.8

Fluorine (F)	900	Rhenium (Re)	.011	Ytterbium (Yb)	1.4
Gadolinium (Gd)	3.7	Rhodium (Rh)	.002	Yttrium (Y)	23
Gallium (Ga)	15	Rubidium (Rb)	325	Zinc (Zn)	64.3
Germanium (Ge)	6.1	Ruthenium (Ru)	.013	Zirconium (Zr)	62.7
Gold (Au)	.005	Samarium (Sm)	6.2		



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