

AZOMITE® Trace Mineral Typical 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.

Mineral Analysis

Alumina, Al ₂ O ₃ :	11.43%
Barium Oxide, BaO:	0.09%
Calcium Oxide, CaO:	3.67%
Carbon, C:	0.61%
Chlorine, Cl:	0.22%
Ferric Oxide, Fe ₂ O ₃ :	1.37%
Hydrogen, H:	0.38%
Magnesium Oxide, MgO:	0.78%
Manganese Oxide, MnO ₃ :	0.02%
Nitrogen, N:	0.15%
Oxygen, O:	0.73%
Phosphorus Pentoxide, P ₂ O ₅ :	0.15%
Potassium Oxide, K ₂ O:	5.23%
Silicon dioxide, SiO ₂ :	65.85%
Sodium Oxide, Na ₂ O:	2.07%
Strontium Oxide, SrO:	0.03%
Sulfur trioxide, SO ₃ :	0.21%
Titanium Dioxide, TiO ₃ :	0.20%
Loss on incineration:	6.43%

Additional Element Analysis

	ppm
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
Europlum, Eu:	3.7
Fluorine, F:	390
Gadolinium, Gd:	3.7
Gallium, Ga:	15
Germanium, Ge:	6.1

Element Analysis Continued

	ppm
Gold, Au:	0.005
Hafnium, Hf:	21
Holmium, Ho:	0.6
Indium, In:	0.01
Iodine, I:	2.2
Lanthanum, La:	220
Lead, Pb:	6.2
Lithium, Li:	859
Lutetium, Lu:	0.5
Mercury, Hg:	0.01
Molybdenum, Mo:	0.23
Neodymium, Nd:	5.1
Nickel, Ni:	2.6
Niobium, Nb:	40
Palladium, Pd:	0.008
Praseodymium, Pr:	27
Rhenium, Re:	0.011
Rhodium, Rh:	0.002
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