

2 LEAF RESEARCH:

825 CHICAGO AVE. / SUITE 2R / EVANSTON, IL 60202

CARBON CHICKEN-VOLCANIC GRANULES Trace Mineral Typical Analysis

Mineral Analysis		Element Analysis Continued	
Alumina, Al ₂ O ₃ :	11.42%	Gold, Au:	0.004
Barium Oxide, BaO:	0.08%	Hafnium, Hf:	20
Calcium Oxide, CaO:	3.66%	Holmium, Ho:	0.5
Carbon, C:	0.60%	Indium, In:	0.008
Chlorine, Cl:	0.21%	Iodine, I:	2.1
Ferric Oxide, Fe ₂ O ₃ :	1.36%	Lanthanum, La:	219
Hydrogen, H:	0.37%	Lead, Pb:	6.1
Magnesium Oxide, MgO:	0.77%	Lithium, Li:	858
Manganese Oxide, MnO ₃ :	0.01%	Lutetium, Lu:	0.4
Nitrogen, N:	0.14%	Mercury, Hg:	0.008
Oxygen, O:	0.72%	Molybdenum, Mo:	0.22
Phosphorus Pentoxide, P ₂ O ₅ :	0.14%	Neodymium, Nd:	5.0
Potassium Oxide, K ₂ O:	5.22%	Nickel, Ni:	2.5
Silicon dioxide, SiO ₂ :	65.84%	Niobium, Nb:	39
Sodium Oxide, Na ₂ O:	2.06%	Palladium, Pd:	0.007
Strontium Oxide, SrO:	0.02%	Praseodymium, Pr:	26
Sulfur trioxide, SO ₃ :	0.20%	Rhenium, Re:	0.010
Titanium Dioxide, TiO ₃ :	0.19%	Rhodium, Rh:	0.001
Loss on incineration:	6.42%	Rubidium, Rb:	324
		Ruthenium, Ru:	0.012
Additional Element Analysis	ppm	Samarium, Sm:	6.1
Antimony, Sb:	0.3	Scandium, Sc:	2.6
Arsenic, As:	1.0	Selenium, Se:	0.6
Beryllium, Be:	3.2	Silver, Ag:	0.004
Bismuth, Bi:	3.4	Strontium, Sr:	379
Boron, B:	28	Sulfur, S:	239
Bromine, Br:	6.5	Tantalum, Ta:	2.6
Cadmium, Cd:	0.2	Tellurium, Te:	0.021
Cerium, Ce:	229	Terbium, Tb:	0.7
Cesium, Cs:	21.6	Thallium, Tl:	5.8
Chromium, Cr:	6.0	Thorium, Th:	179
Cobalt, Co:	22.2	Thulium, Tm:	0.5
Copper, Cu:	11	Tin, Sn:	2.8
Dysprosium, Dy:	2.6	Tungsten, W:	25
Erbium, Er:	1.6	Uranium, U:	3
Europlum, Eu:	3.6	Vanadium, V:	7.7
Fluorine, F:	389	Ytterbium, Yb:	1.3
Gadolinium, Gd:	3.6	Yttrium, Y:	22
Gallium, Ga:	14	Zinc, Zn:	64.2
Germanium, Ge:	6.0	Zirconium, Zr:	62.6

Agriculture Division

3RD PARTY TESTING FACILITY | 312.838.2400 | P. PATEL | May 14, 2026