



CERTIFICATE OF ANALYSIS

**Diatomaceous Earth Food Grade
(Diatomaceous earth)**

Typical Chemical Analysis (ppm) parts per million
Test: ICP-MS 29 Element Screen

Aluminum	1,732	ppm	Typical Physical and Optical Properties	
Antimony	2,803	ppm	Bulk Density	650 kg/m3
Arsenic	6.849	ppm	Median Particle Size (microns)	10
Barium	78.54	ppm	325 Mesh Screen Residue %	2.00
Beryllium	1.317	ppm	Refractive Index	1.43
Bismuth	0.525	ppm	Oil Absorption, Spatula Rub-Out Method, %	120.00
Boron	2.882	ppm	Brightness, Green Filter	85.00
Cadmium	0.069	ppm	Loose Weight, lbs./cu.ft. (gm/liter)	12.0/192
Calcium	3,434	ppm	Specific Gravity	2.20
Chromium	3.085	ppm	Surface Area, m ² /gm	35.70
Cobalt	4.132	ppm	Median Pore Diameter, microns	1.2
Copper	6.577	ppm	Moisture	2% max
Iron	2.332	ppm		
Lanthanum	7,859	ppm		
Lead	2.494	ppm	SiO₂ content: 82.6% pH 8.0	
Lithium	2,558	ppm	Color: off-white	
Magnesium	655.12	ppm	Crystalline Silica Content < 1% (less than half of one percent)	
Manganese	37.12	ppm		
Mercury	0.008	ppm	Manufacture date: 09122020	
Molybdenum	3.759	ppm	Expiration date: none	
Nickel	4.078	ppm		
Niobium	15.09	ppm		
Phosphorous	42.32	ppm		
Potassium	183.8	ppm		
Selenium	0.695	ppm		
Silicon	382,000	ppm		
Silver	0.574	ppm		
Sodium	238.8	ppm		
Strontium	33.65	ppm		
Sulfur	153.1	ppm		
Tellurium	-	-		
Thallium	-	-		
Tin	0.138	ppm		
Thorium	-	-		
Titanium	52.83	ppm		
Tungsten	0.916	ppm		
Vanadium	21.26	ppm		
Yttrium	5.237	ppm		
Zinc	12.24	ppm		
Zirconium	10.44	ppm		

The samples were digested in trace mineral grade nitric acid under heat. The digests were then diluted with ultra-pure water to a final nitric acid content of 5% which provided a matrix match for the analytical standards. The prepared samples were analyzed by ICP-MS and accessed against concentration curves of known standards. The physical or chemical properties of this product represent typical, average values obtained in accordance with the generally accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Technical data shown above are considered accurate and reliable. However, no guarantee is given or intended. For important health and safety information please refer to the SDS.