



CERTIFICATE OF ANALYSIS

FOSSIL SHELL FLOUR® (Diatomaceous earth)

Typical Physical and Optical Properties

Median Particle Size (microns)	10
325 Mesh Screen Residue %	2.0
Refractive Index	1.43
Oil Absorption, Spatula Rub-Out Method, %	120
Brightness, Green Filter	85
Loose Weight, Lbs./cu.ft. (gm/liter)	12.0/192
Specific Gravity	2.2
Surface Area, m ² /gm	35.7
Median Pore Diameter, microns	1.2

Typical Chemical Analysis (%)

Aluminum	0.350056	Copper	0.000815	Selenium	0.000021
Antimony	0.000001	Iron	0.244954	Silicon	0.217117
Arsenic	0.000304	Potassium	0.031437	Silver	0.00009
Boron	0.000581	Lithium	0.000323	Tin	0.000004
Barium	0.006201	Magnesium	0.15315	Strontium	0.005353
Beryllium	0.000044	Molybdenum	0.000018	Thallium	0.000008
Calcium	0.0000407	Sodium	0.065467	Vanadium	0.002652
Cadmium	0.000007	Nickel	0.000422	Zinc	0.00106
Cobalt	0.000302	Phosphorus	0.006701		
Chromium	0.000342	Lead	0.000334		

Crystalline Silica Content < .5% pH 8.0

8/24/2012

The physical or chemical properties of Perma-Guard products 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 MSDS.