Earth's Living Clay

Amtek's Dycor Gas Mass Spectrometer Test Results & Certififcation

Chemical Composition		Percentage
Silica Dioxide:	**SIO_2**	**41.76**
Calcium Oxide:	CaO	28.05
Magnesium Oxide:	MgO	14.54
Potassium Oxide:	K_2O	3.64
Sodium Oxide:	Na_2O	2.50
Ferric Oxide:	Fe_2O_2	1.90
Phosphorus Pentoxide:	P_2O_5	1.65
Selenium Oxide:	SE_2O_3	1.05
Boron Oxide:	B_2O_2	0.95
Chloride Oxide:	CLO	0.92
Fluoride Oxide:	FO_2	0.80
Zinc Oxide:	ZRO_2	0.76
Manganese Oxide:	MN_2O_2	0.68
Nickel Oxide:	NIO_2	0.34
Praseodymium Oxide:	PR_2O	0.20
Strontium Oxide:	SR	0.18
Sulfate Oxide:	S_2O	0.06
Loss on Ignition:	LOI	0.02

Physical Properties (Typical)	350 Mesh	200 Mesh	50 Mesh
Specific Gravity	**2.6**	**2.6**	**2.6**
Apparent Density	31	47	60
Tapped Density	62	73	83
Dry Brightness	67	58	51
pH Value	9.7	9.7	9.7

Sieve Analysis (Typical %)

	50 Mesh	200 Mesh	350 Mesh
+50 Mesh	44	23	NIL
+200 Mesh	24	7	NIL
+350 Mesh	NIL	NIL	NIL

Testing Method Utilized: Amtek's Dycor Gas Mass Spectrometer Test Results & Certification
The Dycor Open Source RGA Mass Gas Spectrometer was utilized in the ultra high and vacuum ranges. The Testing was done at regulated pressures of 10-4 TORR. The ionizer was placed directly in the sample gas and there was no loss of conductance due to the inherent increased sensitivity.

Classification Results: Sample Certified by process as 100% pure{00.02% variance} Calcium Bentonite Clay

Tests were conducted using AMTEK Process Instruments, Houston, TX