Living Clay

Amtek's Dycor Gas Mass Spectrometer Test Results & Certification

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
Ferric Oxide:	Fe_2O_2	1.90
Phosphorus Pentoxide:	P_2O_5	1.65
Sodium Oxide:	Na_2O	1.50
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

Certificate issued: May 5, 2001

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