



Fine Quality Clays



Spa

Skin

Poultice

Compress

Bath

Edible

Facial

Healing Clay

AV Websites Marketing Group Presents: GREENCLAYS.COM

sales@greenclays.com

Green Desert Clay Analysis

ICP-Mass Spectrometry Analysis by ALS Chemex - Certification # RE17203222

Clay Mineralogy done via X-Ray Diffraction / Base Metals via 4-acid Digestion

Lot # 091701B

Chemical Composition Percentage

Silica Dioxide:	SiO ₂	45.7
Magnesium Oxide:	MgO	11.10
Calcium Oxide:	CaO	9.72
Aluminum Oxide:	Al ₂ O ₃	7.10
Potassium Oxide:	K ₂ O	3.46
Ferric Oxide:	Fe ₂ O ₃	2.65
Sodium Oxide:	Na ₂ O	1.63
Titanium Oxide:	TiO ₂	0.27
Strontium Oxide:	SrO	0.18
Phosphorus Oxide:	P ₂ O ₅	0.12
Manganese Oxide:	MnO	0.07
Barium Oxide:	BaO	0.03
Total Carbon:	C	2.13
Total Sulphur	S	0.03
Loss On Ignition:	LOI	17.65

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 %)

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

Base metals done by 4-acid dig.	
Metal	PPM
Silver (Ag):	<0.5
Arsenic (As):	21.4
Cadmium (Cd):	<0.5
Cobalt (Co):	8
Copper (Cu):	18
Molybdenum (Mo):	2
Nickel (Ni):	13
Lead (Pb):	15
Zinc (Zn):	65
Total	142.4

In addition, the clay mineral contains 651.18 PPM trace mineral content.

This clay, as with all bentonites, is classified as "Generally Regarded as Safe" by the United States Food and Drug Administration. However, these statements have not been evaluated by the Food and Drug Administration, and this product is not intended to diagnose, treat, cure or prevent any disease.

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Trace Mineral Analysis ICP-MS	
Trace Mineral	PPM
Silver (Ag):	<0.5
Cerium (Ce):	44.5
Cobalt (Co):	8
Cadmium (Cd):	<0.5
Chromium (Cr):	40
Caesium (Cs):	10.35
Copper (Cu):	18
Dysprosium (Dy):	2.60
Erbium (Er):	1.42
Gallium (Ga):	10.2
Gadolinium (Gd):	2.88
Hafnium (Hf):	2.6
Holmium (Ho):	0.50
Lanthanum (La):	21.4
Lutetium (Lu):	0.20
Molybdenum (Mo):	2
Niobium (Nb):	11.5
Neodymium (Nd):	16.6
Nickel (Ni):	13
Lead (Pb):	15
Praseodymium (Pr):	4.62

Rubidium (Rb):	127.0
Samarium (Sm):	3.02
Tin (Sn):	2
Tantalum (Ta):	0.9
Terbium (Tb):	0.42
Thorium (Th):	9.75
Thallium (Tl):	0.52
Thulium (Tm):	0.17
Uranium (U):	27.1
Vanadium (V):	56
Tungsten (W):	1
Yttrium (Y):	14.9
Erbium (Yb):	1.49
Zinc (Zn):	65
Zirconium (Zr):	94
Arsenic (As):	21.4
Bismuth (Bi):	0.15
Mercury (Hg):	0.013
Antimony (Sb):	0.77
Selenium (Se):	0.2
Tellurium (Te):	0.01
Total PPM	651.18