



Castle Mountain Natural Zeolite

CHEMICAL ANALYSIS

Mineral Content	%
O ₂ (Silicon Dioxide)	71.81
Al ₂ O ₃ (Aluminium Oxide)	12.1
Fe ₂ O ₃ (Iron Oxide)	1.14
Na ₂ O (Sodium Oxide)	2.33
K ₂ O (Potassium Oxide)	0.90
CaO (Calcium Oxide)	2.60
MgO (Magnesium Oxide) 1.2	0.65
TiO ₂ (Titanium Dioxide) 0.22 35	0.22
MnO (Manganese Oxide)	0.03
P ₂ O ₅ (Phosphorus Pentoxide)	<.02
SrO (Strontium Oxide)	0.22
Loss on Ignition	7.77

Select trace elements occur in minor quantities
expressed as ppm

Ba (Barium)	10
Co (Cobalt)	1.2
Cr (Chromium)	35
(Selenium)	<1
Cu (Copper)	19
Zn (Zinc)	33
P (Phosphorus)	187

PHYSICAL PROPERTIES

Specific Gravity (whole rock)	~2.3T/m ³
Bulk Density (depending on particle size)	(700-1400kg/m ³)
Ambient Moisture	Normal <5%
Hardness (MHO'S SCALE)	~5.0
Cation Exchange Capacity (CEC) meq/100g ANZ38 powder	147 average

MINEROLOGY

Minerals Present	
Major	Clinoptilolite (w% of the total Zeolite content) 85 %
Other	Mordenite (w% of the total Zeolite content) 15%
Minor	Quartz, Feldspar, Montmorillonite

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