

The Clay Cure

CLINOPTILOLITE (<300 microns)

Technical Data

Product Description

Clinoptilolite, a natural zeolite, with approximate empirical formula:
(Ca, Fe, K, Mg, Na)₃₋₆Si₃₀Al₆O₇₂.24H₂O
A beige coloured powder.

Mineralogical Analysis (Typical data)

Clinoptilolite	88-100%
Other Zeolite	0-5%
Cristobalite	0-5%
Tridymite	0-5%

Elemental Analysis (Most recent data – 4th February 2015)

SiO ₂	69.10%	Fe ₂ O ₃	0.69%	As	1.3 ppm
Al ₂ O ₃	12.50%	Na ₂ O	0.22%	Cd	< 0.02 ppm
CaO	3.96%	TiO ₂	0.08%	Pb	13.3 ppm
K ₂ O	2.55%	MnO ₂	<0.01%	Hg	0.005 ppm
MgO	1.16%	LOI	9.71%		

Physical Properties (Typical data)

Colour	Beige
Bulk Density	0.60 – 0.70 MT/m ³
Cation Exchange Capacity	1.5 – 1.9meq/g
Micropore Area	11m ² /g
Mesopore Area	29m ² /g
pH	7.0 – 9.0