



SPECIFICATION

CLINOPTILOLITE (< 40 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 - 21st November 2013)

SiO₂ 65.83%
Al₂O₃ 10.96%
CaO 3.11%
K₂O 2.17%
MgO 0.95%
Fe₂O₃ 0.6%
Na₂O 0.23%
TiO₂ 0.05%
MnO₂ <0.01%
As < 0.2 ppm
Cd < 0.02 ppm
Pb 16.8 ppm
Hg < 0.01ppm

LOI 15.2%

Physical Properties (Typical data)

Colour - Beige
Bulk Density - 0.50 - 0.55 MT/m³
Cation Exchange Capacity - 1.5 - 1.9meq/g
Micropore Area - 11m²/g
Mesopore Area - 29m²/g
pH - 7.0 - 9.0

Last Revised - 1st Dec 2013