



## TECHNICAL DATA

## CLINOPTILOLITE (&lt;300 microns)

**Product**

Clinoptilolite &lt;300 microns

**Description**

Clinoptilolite, a natural zeolite, with approximate empirical formula:  
(Ca, Fe, K, Mg, Na)  $_{3-6} \text{Si}_{30} \text{Al}_6 \text{O}_{72} \cdot 24\text{H}_2\text{O}$

**Mineralogical Analysis (Typical data)**

Clinoptilolite 95%

Feldspar and Smectite present in minor amounts. Free of quartz and mica.

**Chemical Composition (Typical data)**

SiO <sub>2</sub>	71.0%	As	5.8 ppm
Al <sub>2</sub> O <sub>3</sub>	11.8%	Cd	< 0.15 ppm
TiO <sub>2</sub>	0.10%	Co	< 10 ppm
Fe <sub>2</sub> O <sub>3</sub>	1.7%	Cr	12 ppm
Na <sub>2</sub> O	0.4%	Cu	< 10 ppm
K <sub>2</sub> O	2.4%	Hg	< 0.05ppm
CaO	3.4%	Mo	< 5 ppm
MgO	1.4%	Ni	< 10 ppm
		Pb	< 16 ppm
		Se	< 50 ppm

**Physical Properties (Typical data)**

Colour	Off white / Ivory	3
Bulk Density	600-700 Kg/m	
Hardness	2-3 Mohs	
Porosity	49.3%	
Water Absorption Capacity	46.5%	
Cation Exchange Capacity	1.5 – 1.8meq/g	

**Shop Holistic**

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