

KMI Zeolite Inc.

TECHNICAL DATA SHEET

**Hydrous Sodium Aluminosilicate
Natural Clinoptilolite
Zeolite Granules and Powders**

TYPICAL PROPERTIES

General Chemical Formula	$Na_6[Al_6Si_{30}O_{72}]24H_2O$
Clinoptilolite Content	97%+
Cation Exchange Capacity (CEC)	1.6 – 2.0 meq/g
Form	Granules and powders
Shape	Angular
Color	Gray – green
Pore Diameter	4.0 – 7.0 angstroms
Specific Gravity	1.89
Specific Surface Area	40m²/g
Bulk Density	50 - 65 lbs/ft³
pH (natural)	7.0
Alkali Stability	pH of 7 - 10
Acid Stability	ph of 3 - 7
Hardness	4.0 - 5.0 Mohs
Swelling Index	Nil

TYPICAL CHEMICAL ANALYSIS

SiO₂	Al₂O₃	Fe₂O₃	CaO	MgO	Na₂O	K₂O	MnO	TiO₂
66.7	11.48	0.9	1.33	0.27	3.96	3.42	0.025	0.13

This product contains no detectable crystalline silica

MAJOR EXCHANGEABLE CATIONS

Rb⁺	Na⁺	Ba⁺²	Mg⁺²	Li⁺	Ag⁺	Sr⁺²	Fe⁺³	K⁺	Cd⁺²
Cu⁺²	Co⁺³	Cs⁺	Pb⁺²	Ca⁺²	Al⁺³	NH⁺⁴	Zn⁺²	Hg⁺²	Cr⁺³