



TTII COOL-LITE Zeolite

CHEMICAL ANALYSIS

XRF Analysis & XRD Analysis
Natural Potassium-Sodium AluminoSilicate
TTII Cool-Lite Zeolite

XRF Chemistry Analysis TTII Cool-Lite Zeolite		
Element	Formula	Percentage
Silicon Dioxide	SiO ₂	71.5
Aluminum Oxide	Al ₂ O ₃	11.3
Potassium Oxide	K ₂ O	4.55
Ferric Oxide	Fe ₂ O ₃	2.05
Sodium Oxide	Na ₂ O	1.24
Calcium Oxide	CaO	1.22
Titanium Oxide	TiO ₂	0.27
Magnesium Oxide	MgO	0.17
Barium Oxide	BaO	0.15

XRD Chemistry Analysis TTII Cool-Lite Zeolite	
Phase ID	Weight %
Clinoptilolite	88.3
Tridymite	7.2
Cristobalite	4.5
K-Feldspar	Nd

Trace Elements TTII Cool-Lite Zeolite	
Lead	3.2 - 55 ppm
Arsenic	0.28 - 2.68 ppm
Cadmium	6 ppm
Barium	30 ug/L
Chromium	< .001%
Lead	.001%
Selenium	< .05 ppm
Silver	< 2 ppm
Iron	.18 mg/L
Aluminum	680 ug/L
Mercury	< 0.12 ppm
Antimony	< 1.0 ug/L
Beryllium	0.4 ug/L
Chromium	0.9 ug/L
Cobalt	< 2.0 ug/L
Copper	< 2.0 ug/L
Nickel	< 2.0 ug/L
Strontium	< 2.0 ug/L
Thallium	< 2.0 ug/L

Microbial Analysis TTII Cool-Lite Zeolite	
Total Aerobic	510 CFU/g
Aspergillus flavus	NR
Aspergillus fumigatus	NR
Aspergillus niger	NR
Aspergillus terreus	NR
Total Enterobacteriaceae	ND
Total Coliforms	10 CFU/g
Pathogenic E. Coli	ND
Salmonella	ND
Total Yeast & Mold	410 CFU/g

