



Head Office  
Mine & Processing

Escott Road  
PO Box 6  
Werris Creek N.S.W. 2341

Phone: (02) 6768-7080  
Fax: (02) 6768-7764  
Email: office@zeolite.com.au

## Certificate of Analysis Manufacturer's Declaration Zeolite Granular Products

### Zeolite Natural Mineral

Source: Escott Property; Werris Creek NSW 2341

- The zeolite consigned was mined from below 2 metres underground
- The zeolite consigned is free of organic material

### CHEMICAL ANALYSIS OF MAJOR ELEMENTS IN ZEOLITE

Percentage by weight

Major Element	Zeolite Rock (%)	Major Element	Zeolite Rock (%)
SiO <sub>2</sub>	68.26	CaO	2.09
TiO <sub>2</sub>	0.23	Na <sub>2</sub> O	0.64
Al <sub>2</sub> O <sub>3</sub>	12.99	K <sub>2</sub> O	4.11
Fe <sub>2</sub> O <sub>3</sub>	1.37	P <sub>2</sub> O <sub>5</sub>	0.06
MnO	0.06	S <sub>2</sub> O <sub>3</sub>	0.00
MgO	0.83	LOI	8.87
		<b>TOTAL</b>	<b>99.51</b>

### Mineralogy of Escott Zeolite

Table 1 – XRD analysis of Natural Zeolite Samples From ML1356

Phase Name	Wt%
Heulandite (+ Clinoptilolite 36.9 %)	53.3 (zeolite material)
Quartz	24.7 (silica, SiO <sub>2</sub> )
Stilbite	10.7 (zeolite material)
Mordenite	9.6 (zeolite material)
Smectite (Ca Montmorillonite)	1.7 (ca phyllosilicate)
Zeolite minerals	<u>73.6%</u>

Queensland University of Technology  
Kenneth Nuttall & Prof. Graeme Millar