



C&S BRAND Natural Australian Zeolite



Clean, hard durable pinkish grains of material.
USES: Filter medium in multi-media water filtration units

Chemical Analysis:

Mineral Content	%
SiO ₂ (Silicon Dioxide)	71.81
Al ₂ O ₃ (Aluminium Oxide)	21.1
Fe ₂ O ₃ (Iron Oxide)	1.14
Na ₂ O (Sodium Oxide)	2.33
K ₂ O (Potassium Oxide)	0.90
CaO (Calcium Oxide)	2.60
MgO (Magnesium Oxide) 1.2	0.65
TiO ₂ (Titanium Dioxide) 0.22 35	0.22
MnO (Manganese Oxide)	0.03
P ₂ O ₅ (Phosphorus Pentoxide)	<.02
SrO (Strontium Oxide)	0.22
Loss on Ignition	7.77

Select trace elements occur in minor quantities expressed as ppm

Ba (Barium)	10
Co (Cobalt)	1.2
Cr (Chromium)	35
(Selenium)	<1
Cu (Copper)	19
Zn (Zinc)	33
P (Phosphorus)	187

Minerology:

Minerals present

Major	Clinoptilolite (w% of the total Zeolite content) 85%
Other	Modernite (w% of the total Zeolite content) 15%
Minor	Quartz, Feldspar, Montmorillonite

Physical Characteristics:

Specific Gravity
(whole rock):
2.3T/m³

Bulk Density
(depending on particle size):
700-1400kg/m³

Ambient Moisture:
Normal <5%

Hardness
(MHO'S SCALE):
~5.0

Cation Exchange Capacity (CEC)
meq/100g ANZ38 powder:
147 average

Particle Sizing: 1mm - 2.2mm (Or to Customer Specification)

Sieve Size mm	Weight Retained gm Sample Weight	Percentage Retained (from column 2)	Cumulative Percentage Retained	Percentage Passing (100 - column 4)
2.36	1.4	2.8	2.8	97.2
2.00	9.6	19.2	22.0	78.0
1.70	10.8	21.6	43.6	56.4
1.40	12.5	25.0	68.6	31.4
1.18	9.2	18.4	87.0	13.0
1.00	4.6	9.2	96.2	3.8
PAN	1.9	3.8	100.0	-

Packaging:

- Woven polypropylene sacks of 25kg capacity; 40 x 25kg sacks (1.0T) per pallet shrink-wrapped.
- 1,000kg Woven Polypropylene Bulk Bags.

