

CLARE QUARRY PTY LTD
88434212
P.O BOX 216, CLARE, S.A. 5453
88434361
A.B.N 16008052846
clarequarry@bigpond.com



Tel: (08)
Fax: (08)
Email:

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Dolomite Dust/Agricultural lime

CHEMICAL ANALYSIS OF LIMING MATERIALS

Sample Date: 03.03.08

<u>Major Elements</u>	<u>Unit</u>	<u>Results</u>
Calcium (Ca)	%	22.02
Calcium oxide (CaO) – by calculation		
1.4 times Ca content	%	20.83
Calcium carbonate (CaCo ₃) equivalent	%	55.05
Magnesium (mg)	%	1.70
Magnesium oxide (MgO)	%	2.83
Magnesium carbonate (MgCo ₃)	%	5.92
As CaCo ₃ Equivalent	%	7.03
<u>Physical</u>		
Material less than 300µm	%	99.3
Material 300-850µm	%	0.2
Material greater than 850µm	%	0.0
<u>Neutralizing Value</u>		
Neutralizing Value (NV)	%	62
Effective Neutralizing Value (ENV)	%	62
KGS Effective Ca per Tonne		220.21
KGS Effective Mg per Tonne		16.97

Analysis by Australian Perry Agricultural Laboratory Pty Ltd

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Lime – Analysis report

Testing Authority: Amdel Limited Sample No: 5AD2466 29/09/05

Element Unit				
Al2O3 %	8.79	IC4	0.01	DL
CaO %	26.7	IC4	0.01	DL
K2O %	1.36	IC4	0.01	DL
MgO %	2.87	IC4	0.01	DL
MnO %	0.07	IC4	0.01	DL
Na2O %	2.47	IC4	0.01	DL
P2O5 %	0.09	IC4	0.01	DL
SiO2 %	31.5	IC4	0.01	DL
TiO2 %	0.410	IC4	0.005	DL
Fe %	1.92	IC4	0.01	DL
LOI %	23.5	GRAV7	0.01A	DL
CO2 %	21.5	GRAV4A	0.05	DL
S %	< 0.01	MET6A	0.01	DL
C %	5.88	MET6A	0.02	DL

Testing Authority: **Rural Solutions SA** Sample No: 05S5881 28/10/05

	Dry Weight Basis (%)	Wet/Sample Weight Basis (%)	Pure Dolomite Weight Basis (%)	Purity on Received Basis (%)
Moisture		0.18	Nil	
Calcium	15	15	22	67
Magnesium	0.76	0.75	13	5.7
Carbonate	59	59	65	90
Sodium		0.02	Nil	
Chloride		<0.07	Nil	