



LIME ANALYSIS REPORT

SUBMITTED FOR: SOUTHERN QUARRIES SAMPLE NAME: NN

SAMPLE RECEIVED: 06.11.09 REPORT DATE: 19-Nov-09

ANALYSIS (ON AN AIR DRY BASIS)			
		Level Found	Ideal%
MOISTURE			
SOLIDS			
CALCIUM	Ca %	25.54	36 - 39
AS CALCIUM OXIDE	CaO %	35.75	
AS CALCIUM CARBONATE	CaCO ₃ %	63.84	90 - 98
MAGNESIUM	Mg %	9.27	
AS MAGNESIUM OXIDE	MgO %	15.45	
AS MAGNESIUM CARBONATE	MgCO ₃ %	32.37	
AS CaCO ₃ EQUIVALENT	%	38.43	
TNV - TOTAL NEUTRALISING VALUE			
In Terms of CaCO ₃	%	102	90 - 100
FINENESS TEST:			
SIEVE NO.	%		
>850 micron	1.3		
300-850 micron	6.3		
<300 micron	92.0		
ENV - EFFECTIVE NEUTRALISING VALUE	%	98	65 - 80
SULFUR	SO ₄ -S%	0.25	
KGS TOTAL CA PER TONNE		255.36	
KGS TOTAL MG PER TONNE		92.74	
KGS TOTAL S PER TONNE		3	

Comments:

* This is a dolomite shown by the good percentage of magnesium and lower calcium.

* It is also a very fine grade product as indicated by the high ENV where >> 60% will pass through a 300 micron sieve.

* In conclusion, this sample is considered very high quality and ideal for use as a soil amendment for the reasons stated above.