



# LIME / DOLOMITE ANALYSIS REPORT

<b>AGENT:</b>	<b>APAL</b>	<b>CONTROL NO:</b>	<b>2017-98</b>
		<b>LAB NO:</b>	<b>6213</b>
<b>CLIENT'S NAME:</b>	<b>Bruhn Limestone</b>	<b>Sample No:</b>	<b>L3</b>
		<b>SAMPLE RECEIVED:</b>	<b>07.07.17</b>
<b>SAMPLE NAME:</b>	<b>3</b>	<b>REPORT DATE:</b>	<b>14.07.17</b>

## ANALYSIS (ON AN AIR DRY BASIS)

MOISTURE		Level Found	Ideal%
SOLIDS			
CALCIUM	Ca %	<b>39.60</b>	36 - 39
AS CALCIUM OXIDE	CaO %	<b>55.41</b>	
AS CALCIUM CARBONATE	CaCO <sub>3</sub> %	<b>98.90</b>	90 - 98
MAGNESIUM	Mg %	<b>0.36</b>	
AS MAGNESIUM OXIDE	MgO %	<b>0.60</b>	
AS MAGNESIUM CARBONATE	MgCO <sub>3</sub> %	<b>1.26</b>	
AS CaCO <sub>3</sub> EQUIVALENT	%	<b>1.50</b>	
TNV - TOTAL NEUTRALISING VALUE			
In Terms of CaCO <sub>3</sub>	%	<b>100</b>	90 - 100
FINENESS TEST:			
SIEVE NO.	%		
>850 micron	<b>3.5</b>		
300-850 micron	<b>44.7</b>		
<300 micron	<b>50.7</b>		
ENV - EFFECTIVE NEUTRALISING VALUE	%	<b>78</b>	65 - 80
SULFUR	SO <sub>4</sub> -S%	<b>0.00</b>	
KGS TOTAL <b>CA</b> PER TONNE		<b>396.04</b>	
KGS TOTAL <b>MG</b> PER TONNE		<b>3.63</b>	
KGS TOTAL <b>S</b> PER TONNE		<b>0</b>	

### Comments:

\* ***This is a high calcium lime indicated by the high calcium carbonate percentage.***

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

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