

LIME / DOLOMITE ANALYSIS REPORT

AGENT:	Penrice Quarry	CONTROL NO:	2019-177
		LAB NO:	4586
CLIENT'S NAME:	John Schulz	Sample No:	L2
		SAMPLE RECEIVED:	10.09.19
SAMPLE NAME:	Penlime Plus 060919	REPORT DATE:	25.09.19

ANALYSIS (ON AN AIR DRY BASIS)

MOISTURE			Level Found	Ideal%
SOLIDS				
CALCIUM	Ca %		38.8	36 - 39
EXPRESSED AS CALCIUM OXIDE	CaO %		54.3	
EXPRESSED AS CALCIUM CARBONATE	CaCO ₃ %		97.0	90 - 98
MAGNESIUM	Mg %		0.28	
EXPRESSED AS MAGNESIUM OXIDE	MgO %		0.47	
EXPRESSED AS MAGNESIUM CARBONATE	MgCO ₃ %		0.98	
EXPRESSED AS CaCO ₃ EQUIVALENT	%		1.17	
TNV - TOTAL NEUTRALISING VALUE				
In Terms of CaCO ₃	%		98	90 - 100
FINENESS TEST:				
	SIEVE NO.	%		
	>850 micron	0.0		
	300-850 micron	10.7		
	<300 micron	89.2		
ENV - EFFECTIVE NEUTRALISING VALUE	%		94	65 - 80
SULFUR	SO ₄ -S%	<0.05		
KGS TOTAL CA PER TONNE		388		
KGS TOTAL MG PER TONNE		2.8		
KGS TOTAL S PER TONNE		0		

Comments:

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

* *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.*