

LIME / DOLOMITE

ANALYSIS REPORT

AGENT:	henschke industries	CONTROL NO:	2023-022
		LAB NO:	111040304
CLIENT'S NAME:	john henschke	Sample No:	L1
		SAMPLE RECEIVED:	07.02.23
SAMPLE NAME:	A1	REPORT DATE:	16.02.23

ANALYSIS (ON AN AIR DRY BASIS)

		Level Found	Ideal%
MOISTURE			
SOLIDS			
CALCIUM	Ca %	37.56	36 - 39
EXPRESSED AS CALCIUM OXIDE	CaO %	52.56	
EXPRESSED AS CALCIUM CARBONATE	CaCO ₃ %	93.80	90 - 98
MAGNESIUM	Mg %	0.26	
EXPRESSED AS MAGNESIUM OXIDE	MgO %	0.43	
EXPRESSED AS MAGNESIUM CARBONATE	MgCO ₃ %	0.89	
EXPRESSED AS CaCO ₃ EQUIVALENT	%	1.06	
TNV - TOTAL NEUTRALISING VALUE			
In Terms of CaCO ₃	%	95	90 - 100
FINENESS TEST:			
SIEVE NO.	%		
>850 micron		18.8	
300-850 micron		28.6	
<300 micron		52.6	
ENV - EFFECTIVE NEUTRALISING VALUE	%	68	65 - 80

SULFUR	SO ₄ -S%	<0.05
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KGS TOTAL CA PER TONNE	375.62
KGS TOTAL MG PER TONNE	2.57
KGS TOTAL S PER TONNE	0

Comments:

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

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

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