

LIME / DOLOMITE ANALYSIS REPORT

AGENT: Henschke Industries **CONTROL NO:** 2021-360
LAB NO: 111005609
CLIENT'S NAME: John Heschke **Sample No:** L3
SAMPLE RECEIVED: 10.12.21
SAMPLE NAME: PM307 Sample 1 Screened (2mm) **REPORT DATE:** 17.12.21

ANALYSIS (ON AN AIR DRY BASIS)

		Level Found	Ideal%
MOISTURE			
SOLIDS			
CALCIUM	Ca %	39.29	36 - 39
EXPRESSED AS CALCIUM OXIDE	CaO %	54.97	
EXPRESSED AS CALCIUM CARBONATE	CaCO ₃ %	98.12	90 - 98
MAGNESIUM	Mg %	0.28	
EXPRESSED AS MAGNESIUM OXIDE	MgO %	0.46	
EXPRESSED AS MAGNESIUM CARBONATE	MgCO ₃ %	0.97	
EXPRESSED AS CaCO ₃ EQUIVALENT	%	1.15	
TNV - TOTAL NEUTRALISING VALUE			
In Terms of CaCO ₃	%	99	90 - 100
FINENESS TEST:			
	SIEVE NO.	%	
	>850 micron	17.5	
	300-850 micron	31.0	
	<300 micron	51.6	
ENV - EFFECTIVE NEUTRALISING VALUE	%	71	65 - 80

SULFUR SO₄-S% **-0.01**

KGS TOTAL **CA** PER TONNE **392.90**
KGS TOTAL **Mg** PER TONNE **2.80**
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.*