

# FINAL REPORT

CERTIFICATE No.: 23177



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**TEST CERTIFICATE OF:** Marulan Quicklime Fines - Despatch Composite  
**PRODUCED AT:** Boral Cement Limited Marulan  
**TESTED AT:** Berrima Works Laboratory  
**SAMPLE IDENTIFICATION:** LDQLF2104061  
**DATE SAMPLED:** for date ending 22/12/2021

PROPERTY	RESULT
Chemical Composition (AS 4489.5.1)	
CaO	92.1 %
MgO	0.8 %
Al <sub>2</sub> O <sub>3</sub>	0.4 %
SiO <sub>2</sub>	1.0 %
K <sub>2</sub> O	0.1 %
Fe <sub>2</sub> O <sub>3</sub>	0.3 %
LOI (AS 4489.7.1)	5.3 %
ALI as CaO (AS 4489.6.1)	89.3 %
Slaking (AS 4489.3.1)	
Temperature Rise at 30 s	30.5 °C
Temperature Rise at 3 min	44.0 °C
Total Temperature Rise	46.5 °C
Total Active Slaking Time	7.0 mins
Residue on Slaking	0.52 %
Particle Size Distribution * (AS 1141.11.1)	
< 4.75 mm	100 %
< 2.36 mm	100 %
< 1.18 mm	98 %
< 600 µm	91 %

## REMARKS

Sampling not carried out by laboratory. Samples tested as received.

\* Samples are not washed.



Accredited for compliance with ISO/IEC 17025 - Testing

Marc Smith  
Technical Services Manager