

## FINAL REPORT

CERTIFICATE No.: 24087



Boral Cement Limited  
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TEST CERTIFICATE OF: Maldon Daily Despatch Environment  
PRODUCED AT: Boral Cement Limited Maldon  
TESTED AT: Berrima Works Laboratory  
SAMPLE IDENTIFICATION: MDDNM2203086  
DATE DESPATCHED: 5/09/2022

PROPERTY	REQUIREMENTS OF AS 3582.2	RESULT
Insoluble Residue (AS 3583.14)		0.3 %
LOI (AS 3583.3)		-0.7 %
SO <sub>3</sub> (AS 2350.2; TM 10.01.07)		0.3 %
MgO (AS 2350.2)	≤ 15.0 %	5.5 %
Al <sub>2</sub> O <sub>3</sub> (AS 2350.2)	≤ 18.0 %	12.9 %
Fe <sub>2</sub> O <sub>3</sub> (AS 2350.2)		0.8 %
expressed as FeO *		0.7 %
Mn <sub>2</sub> O <sub>3</sub> (AS 2350.2)		0.4 %
expressed as MnO *		0.4 %
Total Alkali (AS 2350.2)		0.4 %
Cl (AS 2350.2)	≤ 0.1 %	< 0.01 %
45µm Residue (AS 3583.1)		1.4 %
Fineness Index (AS 2350.8)		425 m <sup>2</sup> /kg

### REMARKS

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

\* NATA accreditation does not cover the performance of this service.



Accredited for compliance with ISO/IEC 17025 - Testing

  
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Marc Smith  
Technical Services Manager

**TEST REPORT – MILLED SLAG****CLIENT:** BORAL CEMENT – MALDON CEMENT**FILE NO:** 50/22**ADDRESS:** Maldon Bridge Road, Maldon, NSW 2571**REQUEST NO:** 101756**LAB SAMPLE NO:** 273039**SOURCE OF SAMPLE:** Maldon**DATE RECEIVED:** 08/09/2022**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2203086 - w/e 10/09/2022 - Date sampled: 06/09/2022**IDENTIFICATION OF CEMENT USED:** Boral Cement SL Berrima Ref. 2019**TEST METHOD: AS 3583:** Methods of test for supplementary cementitious materials for use with Portland Cement

PROPERTY	TEST METHOD	RESULT	DATE TESTED
Fineness by the 45µm sieve	AS 3583.1	99%	22/09/2022
Relative density	AS 3583.5	2.93	14/09/2022
Relative water requirement	AS 3583.6	98%	15/09/2022
Relative strength 7 days (accelerated)	AS 3583.6	111%	22/09/2022
Relative strength 28 days (standard)	AS 3583.6	107%	13/10/2022

Parisa Sowti, Violeta Paicu, Brad Vanderburg, Mat File, File

**Note:**

- Sample was provided by the client and tested as received.

Approved Signatory Julius C Alvaro Julius Alvaro  
Date 19/10/2022 Serial No. CEM101756.JA.1

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**NATA Accredited Laboratory**  
Number: 547



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**TEST REPORT**

CLIENT: BORAL CEMENT – Maldon Cement  
Maldon Bridge Road, Maldon, NSW 2571.

FILE No.:50/22

PROJECT: Testing of Maldon Enviroment Weekly Sample.

REQUEST No.: 101756

**TEST PROCEDURE:**

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 273039  
Date Sampled: 06/09/2022  
Date Received: 08/09/2022  
Date Tested: 20/10/2022  
Sample Description: Enviroment ID #  
MDDNM2203086  
Field No.: 1

**TEST RESULTS:**

Sodium as Na<sub>2</sub>O (%) 0.05  
Potassium as K<sub>2</sub>O (%) 0.09  
Available Alkali (%) 0.1

Available Alkali (%) = Na<sub>2</sub>O (%) + (0.658 x K<sub>2</sub>O %)

**Note:**

- Sample was provided by the Client and tested as received.

V.Paicu, B.Vanderburg,P.Sowti, Mat.File, File.



Approved Signatory

Nanthini Selvadurai

Date 21-10-22

Serial No.

CHEM101756.NS.1

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