

## FINAL REPORT

CERTIFICATE No.: 23895



Boral Cement Limited  
N 62 008 528 523  
Taylor Avenue New Berrima NSW 2577  
Locked Bag 4 New Berrima NSW 2577  
T +61 2 4860 2222

TEST CERTIFICATE OF: Maldon Daily Despatch Environment  
PRODUCED AT: Boral Cement Limited Maldon  
TESTED AT: Berrima Works Laboratory  
SAMPLE IDENTIFICATION: MDDNM2202154  
DATE DESPATCHED: 4/07/2022

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 %	5.4 %
Al <sub>2</sub> O <sub>3</sub> (AS 2350.2)	≤ 18.0 %	12.6 %
Fe <sub>2</sub> O <sub>3</sub> (AS 2350.2)		1.2 %
expressed as FeO *		1.1 %
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)		1.1 %
Fineness Index (AS 2350.8)		420 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

  
\_\_\_\_\_  
Marc Smith  
Technical Services Manager

**Boral Construction Materials  
Materials Technical Services**Unit 4, 3-5 Gibbon Road  
Baulkham Hills NSW 2153 Australia

PO Box 400, Winston Hills NSW 2153

T +61 (02) 9624 9900


[boral.com.au](http://boral.com.au)**TEST REPORT – MILLED SLAG****CLIENT:** BORAL CEMENT – MALDON CEMENT**FILE NO:** 50/22**ADDRESS:** Maldon Bridge Road, Maldon, NSW 2571**REQUEST NO:** 100644**LAB SAMPLE NO:** 270163**SOURCE OF SAMPLE:** Maldon**DATE RECEIVED:** 07/07/2022**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2202154 - w/e 09/07/2022 - Date sampled: 04/07/2022**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%	15/08/2022
Relative density	AS 3583.5	2.93	13/07/2022
Relative water requirement	AS 3583.6	100%	14/07/2022
Relative strength 7 days (accelerated)	AS 3583.6	115%	21/07/2022
Relative strength 28 days (standard)	AS 3583.6	108%	11/08/2022

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

**Note:**

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

Approved Signatory  Julius Alvaro  
CEM100644.JA.1  
Date 16/08/2022 Serial No. \_\_\_\_\_

Accredited for compliance with ISO/IEC 17025 – Testing  
This report shall not be reproduced in full without the approval of the Boral MTS Laboratory.  
Test results in this Test Report relate only to the samples tested.



**NATA Accredited Laboratory**  
Number: 547



**Boral Construction Materials  
Materials Technical Services**

Unit 4, 3-5 Gibbon Road  
Baulkham Hills NSW 2153 Australia  
PO Box 400, Winston Hills NSW 2153

T: +61 (02) 9624 9900

F: +61 (02) 9624 9999

www.boral.com.au

**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.: 100644

**TEST PROCEDURE:**

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 270163  
Date Sampled: 04/07/2022  
Date Received: 07/07/2022  
Date Tested: 17/08/2022  
Sample Description: Enviroment ID #  
MDDNM2202154  
Field No.: 1

**TEST RESULTS:**

Sodium as Na<sub>2</sub>O (% m/m) 0.04  
Potassium as K<sub>2</sub>O (% m/m) 0.07  
Available Alkali (% m/m) 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 17-08-22 Serial No.

CHEM100644.NS.1

NATA Accredited Laboratory

Accredited for compliance with ISO/IEC 17025 - Testing  
This report shall not be reproduced except in full without the approval of the Boral MTS Laboratory  
Test results in this Test Report relate only to the samples tested

Number: 9968



**Boral Construction Materials  
Materials Technical Services**

Unit 4, 3-5 Gibbon Road  
Baulkham Hills NSW 2153 Australia  
PO Box 400, Winston Hills NSW 2153

T: +61 (02) 9624 9900

F: +61 (02) 9624 9999

www.boral.com.au

**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.: 100644

**TEST PROCEDURE:** AS 3583.7 – Determination of Sulfide Sulfur content

Laboratory Sample No.: 270163  
Date Sampled: 04/07/2022  
Date Received: 07/07/2022  
Date Tested: 27/07/2022  
Sample Description: Enviroment  
ID # MDDNM2202154  
Field No.: 1

**TEST RESULTS:**

Sulfide Sulfur as S (%) 0.37

Sample submitted by the Client.

- Sample was provided by the Client.
- Test results in this test report relate only to the sample tested.
- This report shall not be reproduced except in full without the approval of the Boral MTS Laboratory.

Nanthini S

12<sup>th</sup> August 2022

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