

FINAL REPORT

CERTIFICATE No.: 23319



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: MDDNM2200356
DATE DESPATCHED: 7/02/2022

| PROPERTY | REQUIREMENTS OF AS 3582.2 | RESULT |
|--|---------------------------|------------------------|
| Insoluble Residue (AS 3583.14) | | 0.4 % |
| LOI (AS 3583.3) | | -0.8 % |
| SO ₃ (AS 2350.2; TM 10.01.07) | | 0.4 % |
| MgO (AS 2350.2) | ≤ 15.0 % | 5.4 % |
| Al ₂ O ₃ (AS 2350.2) | ≤ 18.0 % | 12.9 % |
| Fe ₂ O ₃ (AS 2350.2) | | 0.9 % |
| expressed as FeO * | | 0.8 % |
| Mn ₂ O ₃ (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) | | 1.0 % |
| Fineness Index (AS 2350.8) | | 395 m ² /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



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NOTIFICATION OF N.A.T.A TEST REPORT REPLACEMENT

CLIENT: BORAL CEMENT – MALDON CEMENT

FILE NO: 50/22

REQUEST NO: 98043

LAB. SAMPLE NO: 263251

PROJECT: Testing of Maldon Weekly Enviroment Sample

REPORT NO. OF REPORT BEING REPLACED: CEM98043.JA.1

NEW REPORT NO: CEM98043.JA.1.R1

REASON FOR REPLACEMENT: Change the Date Sampled

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


Julius Alvaro
14/04/2022

NOTIFICATION OF N.A.T.A TEST REPORT REPLACEMENT

CLIENT: BORAL CEMENT – MALDON CEMENT

FILE No.:50

REQUEST No.: 98043

LABORATORY SAMPLE NUMBER: LSN 263251

PROJECT: Testing of Maldon Enviroment Weekly Sample

REPORT NO. OF REPORT BEING REPLACED: CHEM98043.NS.1

NEW REPORT NO.: CHEM98043.NS.1.R1

REASON FOR REPLACEMENT: Date sampled Corrected

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



Nanthini Selvadurai
19th April 2022.

TEST REPORT – MILLED SLAG**CLIENT:** BORAL CEMENT – MALDON CEMENT**FILE NO:** 50/22**ADDRESS:** Maldon Bridge Road, Maldon, NSW 2571**REQUEST NO:** 98043**LAB SAMPLE NO:** 263251**SOURCE OF SAMPLE:** Maldon**DATE RECEIVED:** 10/02/2022**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2200356 - w/e 12/02/2022 - Date sampled: 07/02/2022**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% | 17/03/2022 |
| Relative density | AS 3583.5 | 2.91 | 16/02/2022 |
| Relative water requirement | AS 3583.6 | 100% | 17/02/2022 |
| Relative strength 7 days (accelerated) | AS 3583.6 | 106% | 24/02/2022 |
| Relative strength 28 days (standard) | AS 3583.6 | 109% | 17/03/2022 |

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

Notes:

- Sample was provided by the client and tested as received.
- This Test Report replaces Boral MTS Laboratory Test Report with Serial No. CEM98043.JA.1 issued on 21/03/2022.

Approved Signatory Julius Alvaro
Date 14/04/2022 Serial No. CEM98043.JA.1.R1

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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



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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.: 98043

TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 263251
Date Sampled: 07/02/2022
Date Received: 10/02/2022
Date Tested: 16/03/2022
Sample Description: Enviroment ID #
MDDNM2200356
Field No.: 1

TEST RESULTS:

Sodium as Na₂O (%) 0.05
Potassium as K₂O (%) 0.06
Available Alkali (%) 0.1

Available Alkali (%) = Na₂O (%) + (0.658 x K₂O %)

Note:

- Sample was provided by the Client and tested as received.
- This test Report replaces Boral MTS Laboratory test report with Serial No.CHEM98043.NS.1 issued on 16-03-22.

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



Approved Signatory

Nanthini Selvadurai

CHEM98043.NS.1.R1

Date 19-04-22 Serial No.

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Number: 9968



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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.: 98043

TEST PROCEDURE: AS 3583.7 – Determination of Sulfide Sulfur content

Laboratory Sample No.: 263251
Date Sampled: 07/02/2022
Date Received: 10/02/2022
Date Tested: 04/03/2022
Sample Description: Enviroment
ID # MDDNM2200356
Field No.: 1

TEST RESULTS:

Sulfide Sulfur as S (%) 0.80

Sample submitted by the Client.

- Sample was provided by the Client.
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- This test Report replaces Boral MTS Laboratory test report issued on 07-03-22.

Nanthini S

19th April 2022

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