

FINAL REPORT

CERTIFICATE No.: 23735



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: MDDNM2201789
DATE DESPATCHED: 6/06/2022

| PROPERTY | REQUIREMENTS OF AS 3582.2 | RESULT |
|--|---------------------------|------------------------|
| Insoluble Residue (AS 3583.14) | | 0.4 % |
| LOI (AS 3583.3) | | -0.7 % |
| SO ₃ (AS 2350.2; TM 10.01.07) | | 0.3 % |
| MgO (AS 2350.2) | ≤ 15.0 % | 5.7 % |
| Al ₂ O ₃ (AS 2350.2) | ≤ 18.0 % | 12.2 % |
| Fe ₂ O ₃ (AS 2350.2) | | 1.1 % |
| expressed as FeO * | | 1.0 % |
| 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) | | 1.3 % |
| 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

TEST REPORT – MILLED SLAG**CLIENT:** BORAL CEMENT – MALDON CEMENT**FILE NO:** 50/22**ADDRESS:** Maldon Bridge Road, Maldon, NSW 2571**REQUEST NO:** 100052**LAB SAMPLE NO:** 268674**SOURCE OF SAMPLE:** Maldon**DATE RECEIVED:** 09/06/2022**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2201789 - w/e 11/06/2022 - Date sampled: 06/06/2022**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% | 13/07/2022 |
| Relative density | AS 3583.5 | 2.93 | 14/06/2022 |
| Relative water requirement | AS 3583.6 | 100% | 16/06/2022 |
| Relative strength 7 days (accelerated) | AS 3583.6 | 109% | 23/06/2022 |
| Relative strength 28 days (standard) | AS 3583.6 | 103% | 14/07/2022 |

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 18/07/2022 Serial No. CEM100052.JA.1

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Test results in this Test Report relate only to the samples tested.



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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.: 100052

TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 268674
Date Sampled: 06/06/2022
Date Received: 09/06/2022
Date Tested: 20/07/2022
Sample Description: Enviroment ID #
MDDNM2201789
Field No.: 1

TEST RESULTS:

Sodium as Na₂O (%) 0.08
Potassium as K₂O (%) 0.08
Available Alkali (%) 0.1

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

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 21-07-22 Serial No. CHEM100052.NS.1

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