

FINAL REPORT

CERTIFICATE No.: 23724



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: MDDNM2201687
DATE DESPATCHED: 1/06/2022

PROPERTY	REQUIREMENTS OF AS 3582.2	RESULT
Insoluble Residue (AS 3583.14)		0.4 %
LOI (AS 3583.3)		-1.1 %
SO ₃ (AS 2350.2; TM 10.01.07)		0.3 %
MgO (AS 2350.2)	≤ 15.0 %	5.4 %
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)		0.5 %
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)		0.9 %
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:** 99895**LAB SAMPLE NO:** 268221**SOURCE OF SAMPLE:** Maldon**DATE RECEIVED:** 02/06/2022**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2201687 - w/e 04/06/2022 - Date sampled: 01/06/2022**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%	07/07/2022
Relative density	AS 3583.5	2.93	08/06/2022
Relative water requirement	AS 3583.6	99%	09/06/2022
Relative strength 7 days (accelerated)	AS 3583.6	110%	16/06/2022
Relative strength 28 days (standard)	AS 3583.6	105%	07/07/2022

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

Note:

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

Approved Signatory  Julius Alvaro
Date 18/07/2022 Serial No. CEM99895.JA.1

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



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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.: 99895

TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 268221
Date Sampled: 01/06/2022
Date Received: 02/06/2022
Date Tested: 13/07/2022
Sample Description: Enviroment ID #
MDDNM2201687
Field No.: 1

TEST RESULTS:

Sodium as Na₂O (% m/m) 0.09
Potassium as K₂O (% m/m) 0.15
Available Alkali (% m/m) 0.2

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 14-07-22

Serial No.

CHEM99895.NS.1

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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.: 99895

TEST PROCEDURE: AS 3583.7 – Determination of Sulfide Sulfur content

Laboratory Sample No.: 268221
Date Sampled: 01/06/2022
Date Received: 02/06/2022
Date Tested: 11/07/2022
Sample Description: Enviroment
ID # MDDNM2201687
Field No.: 1

TEST RESULTS:

Sulfide Sulfur as S (%) 0.62

Sample submitted by the Client.

- Sample was provided by the Client.
- Test results in this test report relate only to the sample tested.
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Nanthini S

13th July 2022

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