FINAL REPORT

CERTIFICATE No.: 23510



Boral Cement Limited ABN 62 008 528 523 Taylor Avenue New Berrima NSW 2577 Locked Bag 4 New Berrima NSW 2577 T +61 2 4860 2222 F +61 2 4860 2257

TEST CERTIFICATE OF:	Maldon Daily Despatch Enviroment
PRODUCED AT:	Boral Cement Limited Maldon
TESTED AT:	Berrima Works Laboratory
SAMPLE IDENTIFICATION:	MDDNM2200921
DATE DESPATCHED:	4/04/2022

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 %	5.8 %
Al ₂ O ₃ (AS 2350.2)	≤ 18.0 %	13.2 %
Fe ₂ O ₃ (AS 2350.2) expressed as FeO *		1.0 % 0.9 %
Mn ₂ O ₃ (AS 2350.2) expressed as MnO *		0.4 % 0.4 %
Total Alkali (AS 2350.2)		0.4 %
CI (AS 2350.2)	≤ 0.1 %	< 0.01 %
45µm Residue (AS 3583.1)		1.4 %
Fineness Index (AS 2350.8)		410 m ² /kg

REMARKS

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

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

W

Marc Smith Technical Services Manager

Accredited for compliance with ISO/IEC 17025 - Testing

NATA Accreditation Number: 530 / 531

Date of Issue: 19/05/2022

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Boral Construction Materials Materials Technical Services

BORA

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PO Box 400, Winston Hills NSW 2153

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TEST REPORT - MILLED SLAG

CLIENT: BORAL CEMENT - MALDON CEMENT

ADDRESS: Maldon Bridge Road, Maldon, NSW 2571

LAB SAMPLE NO: 265791

SOURCE OF SAMPLE: Maldon

DATE RECEIVED: 07/04/2022

SAMPLE IDENTIFICATION: Enviroment ID # MDDNM2200921 - w/e 09/04/2022 - Date sampled: 04/04/2022

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 Relative density Relative water requirement Relative strength 7 days (accelerated) Relative strength 28 days (standard)	AS 3583.1 AS 3583.5 AS 3583.6 AS 3583.6 AS 3583.6 AS 3583.6	99% 2.93 100% 109% 104%	13/05/2022 13/04/2022 14/04/2022 21/04/2022 12/05/2022

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

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

Note:

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

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Julius Alvaro valo Approved Signa CEM98969.JA.1 24/05/202 Date _ Serial No.



NATA Accredited Laboratory Number: 547

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FILE NO: 50/22

REQUEST NO: 98969

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TEST REPORT

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

Testing of Maldon Enviroment Weekly Sample. PROJECT:

TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.:	265791
Date Sampled:	04/04/2022
Date Received:	07/04/2022
Date Tested:	27/05/2022
Sample Description:	Enviroment ID # MDDNM2200921
Field No.:	1

TEST RESULTS:

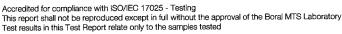
Sodium as Na ₂ O (%)	0.07
Potassium as K ₂ O (%)	0.10
Available Alkali (%)	0.1

Available Alkali (%) = Na_2O (%) + (0.658 x K₂O %) Note:

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

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

NATA		Nanthini Selvadurai
	Date 30-05-22 Serial No.	
ACCREDITED FOR TECHNICAL COMPETENCE	Accredited for compliance with ISO/IEC 17025 - Testing This report shall not be reproduced except in full without the a Test results in this Test Report relate only to the samples teste	pproval of the Boral MTS Laboratory





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FILE No.:50 / 22

REQUEST No.: 98969

CLIENT: BORAL CEMENT – MALDON CEMENT

Maldon Bridge Road, Maldon, NSW 2571.

PROJECT: Testing of Maldon Enviroment weekly sample.

TEST PROCEDURE: AS 3583.7 – Determination of Sulfide Sulfur content

Laboratory Sample No.:	265791
Date Sampled:	04/04/2022
Date Received:	07/04/2022
Date Tested:	26/04/2022
Sample Description:	Enviroment ID # MDDNM2200921
Field No.:	1

TEST RESULTS:

Sulfide Sulfur as S (%)

Sample submitted by the Client.

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

0.54

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TEST REPORT

Nanthini S 11th May 2022 Violeta Paicu, Brad Vanderburg, Parisa Sowti, Mat.File, File.