

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) expressed as FeO *		1.1 % 1.0 %
Mn ₂ O ₃ (AS 2350.2) expressed as MnO *		0.4 % 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 Alvaro
Date 18/07/2022 Serial No. CEM100052.JA.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.: 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:

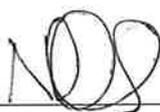
Sodium as Na₂O (%) 0.08
Potassium as K₂O (%) 0.08
Available Alkali (%) 0.1

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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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

NATA Accredited Laboratory

Number: 9968