



**Boral Construction Materials
Materials Technical Services**

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TEST REPORT – MILLED SLAG

CLIENT: BORAL CEMENT – MALDON CEMENT
Address: MALDON BRIDGE ROAD, MALDON, NSW 2571

FILE NO: 50/21

REQUEST NO: 94152

LAB SAMPLE NO: 252822

SOURCE OF SAMPLE: Maldon

DATE RECEIVED: 15/04/2021

SAMPLE IDENTIFICATION: Enviroment ID # MDDNM2100996 - w/e 17/04/2021 - Date sampled: 12/04/2021

IDENTIFICATION OF CEMENT USED: Boral Cement SL Berrima Ref. 2019

TEST METHOD: AS3583: 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%	06/05/2021
Relative density	AS 3583.5	2.91	21/04/2021
Relative water requirement	AS 3583.6	97%	29/04/2021
Relative strength 7 days (accelerated)	AS 3583.6	85%	06/05/2021
Relative strength 28 days (standard)	AS 3583.6	86%	27/05/2021

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

Note:

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



Approved Signatory Julius C. Alvaro Julius Alvaro
Date 27/05/2021 Serial No. CEM94152.JA.1

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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.:50/21

PROJECT: Testing of Maldon Environment Weekly Sample.

REQUEST No.: 94152

TEST PROCEDURE:

AS 3583.12 – 1991 – Determination of Available Alkali
Boral In House Method 7 – Based on AS2350.2 using XRF.

Laboratory Sample No.:	252822
Date Sampled:	12/04/21
Date Received:	15/04/21
Date Tested:	18/05/21
Sample Description:	Environment ID # MDDNM2100996
Field No.:	1

TEST RESULTS:

Sodium as Na ₂ O (%)	0.77
Potassium as K ₂ O (%)	0.07
Available Alkali (%)	0.8
Total Alkali content as Na ₂ O equiv. (%)*	1.9

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

Note:

- Sample was provided by the Client and tested as received.
- *Test method is not in the current scope of NATA Accreditation for the Boral MTS Laboratory.

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



Approved Signatory Nanthini Selvadurai
 Date 21-05-21 Serial No. CHEM94152.NS.1

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Number: 9968