



**Boral Construction Materials  
Materials Technical Services**

Unit 4, 3-5 Gibbon Road  
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PO Box 400, Winston Hills NSW 2153

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www.boral.com.au

**TEST REPORT – MILLED SLAG**

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

**FILE NO:** 50/20

**REQUEST NO:** 92526

**LAB SAMPLE NO:** 247758

**SOURCE OF SAMPLE:** Maldon

**DATE RECEIVED:** 04/12/2020

**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2003615 - w/e 05/12/2020 - Date sampled: 01/12/2020

**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%	17/12/2020
Relative density	AS 3583.5	2.91	09/12/2020
Relative water requirement	AS 3583.6	100%	10/12/2020
Relative strength 7 days (accelerated)	AS 3583.6	109%	17/12/2020
Relative strength 28 days (standard)	AS 3583.6	100%	07/01/2021

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 08/01/2021 Serial No. CEM92526.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.:50/20

PROJECT: Testing of Maldon Enviroment Weekly Sample.

REQUEST No.: 92526

**TEST PROCEDURE:**

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 247758  
Date Sampled: 01/12/20  
Date Received: 04/12/20  
Date Tested: 01/01/21  
Sample Description: Enviroment ID #  
MDDNM2003615  
Field No.: 1

**TEST RESULTS:**

Sodium as Na<sub>2</sub>O (%) 0.08  
Potassium as K<sub>2</sub>O (%) 0.11  
Available Alkali (%) 0.1

Available Alkali (%) = Na<sub>2</sub>O (%) + (0.658 x K<sub>2</sub>O %)

**Note:**

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

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



Approved Signatory

Nanthini Selvadurai

Date 14-01-21

Serial No.

CHEM92526.NS.1

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**TEST REPORT**

CLIENT: BORAL CEMENT – MALDON CEMENT  
Maldon Bridge Road, Maldon, NSW 2571.

FILE No.:50/20

PROJECT: Testing of Maldon Environment Weekly Sample.

REQUEST No.: 92526

**TEST PROCEDURE:** AS 3583.7 – Determination of Sulfide Sulfur content

Laboratory Sample No.: 247758  
Date Sampled: 01/12/20  
Date Received: 05/11/20  
Sample Description: Environment ID #  
MDDNM2003615  
Field No.: 1

**TEST RESULTS:**

Sulfide Sulfur as S (%) 0.4

Sample submitted by the Client.

- Sample was provided by the Client.
- Test results relate only to the sample tested
- This report shall not be reproduced except in full without the approval of the Boral MTS Laboratory

A handwritten signature in black ink, appearing to read "Nanthini S".

Nanthini S

Analytical Chemist

14<sup>th</sup> January 2021.

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