


**Boral Construction Materials  
Materials Technical Services**

 Unit 4, 3-5 Gibbon Road  
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**TEST REPORT – MILLED SLAG**
**CLIENT:** BORAL CEMENT – MALDON CEMENT**FILE NO.:** 50/21**ADDRESS:** Maldon Bridge Road, Maldon, NSW 2571**REQUEST NO.:** 95684**LAB SAMPLE NO:** 256573**SOURCE OF SAMPLE:** Maldon**DATE RECEIVED:** 05/08/2021**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2102354 - w/e 07/08/2021 - Date sampled: 03/08/2021**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%	08/09/2021
Relative density	AS 3583.5	2.93	11/08/2021
Relative water requirement	AS 3583.6	99%	12/08/2021
Relative strength 7 days (accelerated)	AS 3583.6	117%	19/08/2021
Relative strength 28 days (standard)	AS 3583.6	102%	09/09/2021

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

**Note:**

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


 Approved Signatory Julius C. Alvaro Julius Alvaro  
 Date 10/09/2021 Serial No. CEM95684.JA.1

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

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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.: 95684

**TEST PROCEDURE:**

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 256573  
Date Sampled: 03/08/21  
Date Received: 06/08/21  
Date Tested:  
Sample Description: Environment ID #  
MDDNM2102354

Field No.: 1

**TEST RESULTS:**

Sodium as Na<sub>2</sub>O (%) 0.04  
Potassium as K<sub>2</sub>O (%) 0.06  
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.

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

Approved Signatory  Nanthini Selvadurai

Date 15-09-21 Serial No. CHEM95684.NS.1



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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 Enviroment Weekly Sample.

REQUEST No.: 95684

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

Laboratory Sample No.: 256573  
Date Sampled: 03/08/2021  
Date Received: 06/08/2021  
Date Tested: 17/08/2021  
Sample Description: Enviroment ID  
# MDDNM2102354  
Field No.: 1

**TEST RESULTS:**

Sulfide Sulfur as S (%) 0.50

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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Taylah Cali

19<sup>th</sup> August 2021

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