



**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  
Address: MALDON BRIDGE ROAD, MALDON, NSW 2571

**FILE NO:** 50/21

**REQUEST NO:** 93003

**LAB SAMPLE NO:** 249083

**SOURCE OF SAMPLE:** Maldon

**DATE RECEIVED:** 28/01/2021

**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2100228 - w/e 30/01/2021 - Date sampled: 27/01/2021

**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%	11/02/2021
Relative density	AS 3583.5	2.90	03/02/2021
Relative water requirement	AS 3583.6	100%	04/02/2021
Relative strength 7 days (accelerated)	AS 3583.6	108%	11/02/2021
Relative strength 28 days (standard)	AS 3583.6	96%	04/03/2021

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

**Note:**

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



Approved Signatory *Julius Alvaro* Julius Alvaro  
Date 05/03/2021 Serial No. CEM93003.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 Enviroment Weekly Sample.

REQUEST No.: 93003

**TEST PROCEDURE:**

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 249083  
Date Sampled: 27/01/21  
Date Received: 28/01/21  
Date Tested: 03/03/21  
Sample Description: Enviroment ID #  
MDDNM2100228  
Field No.: 1

**TEST RESULTS:**

Sodium as Na<sub>2</sub>O (%) 0.09  
Potassium as K<sub>2</sub>O (%) 0.04  
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.



ACCREDITED FOR  
TECHNICAL  
COMPETENCE

Approved Signatory  Nanthini Selvadurai

Date 04-03-21 Serial No. CHEM93003.NS.1

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