



**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.:** 95745

**LAB SAMPLE NO:** 256723

**SOURCE OF SAMPLE:** Maldon

**DATE RECEIVED:** 12/08/2021

**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2102406 - w/e 14/08/2021 - Date sampled: 09/08/2021

**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%	26/08/2021
Relative density	AS 3583.5	2.91	18/08/2021
Relative water requirement	AS 3583.6	99%	19/08/2021
Relative strength 7 days (accelerated)	AS 3583.6	114%	26/08/2021
Relative strength 28 days (standard)	AS 3583.6	101%	16/09/2021

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 17/09/2021 Serial No. CEM95745.JA.1

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

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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.: 95745

**TEST PROCEDURE:**

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 256723  
Date Sampled: 09/08/21  
Date Received: 12/08/21  
Date Tested: 24/09/21  
Sample Description: Environment ID #  
MDDNM2102406  
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 01-10-21 Serial No. CHEM95745.NS.1



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