



**Boral Construction Materials  
Materials Technical Services**

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

T: +61 (02) 9624 9900  
F: +61 (02) 9624 9999

www.boral.com.au

**TEST REPORT – MILLED SLAG**

**CLIENT:** BORAL CEMENT – MALDON CEMENT

**FILE NO:** 50/21

**ADDRESS:** Maldon Bridge Road, Maldon, NSW 2571

**REQUEST NO:** 96172

**LAB SAMPLE NO:** 257910

**SOURCE OF SAMPLE:** Maldon

**DATE RECEIVED:** 09/09/2021

**SAMPLE IDENTIFICATION:** Enviroment ID # MDDNM2102733 - w/e 11/09/2021 - Date sampled: 06/09/2021

**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%	13/10/2021
Relative density	AS 3583.5	2.93	15/09/2021
Relative water requirement	AS 3583.6	99%	16/09/2021
Relative strength 7 days (accelerated)	AS 3583.6	114%	23/09/2021
Relative strength 28 days (standard)	AS 3583.6	109%	14/10/2021

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 15/10/2021 Serial No. CEM96172.JA.1

Accredited for compliance with ISO/IEC 17025 - Testing  
This report shall not be reproduced except in full without the approval of the Boral MTS Laboratory  
Test results in this Test Report relate only to the samples tested

NATA Accredited Laboratory

Number: 547



**Boral Construction Materials  
Materials Technical Services**

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

T: +61 (02) 9624 9900

F: +61 (02) 9624 9999

www.boral.com.au

**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.: 96172

**TEST PROCEDURE:**

AS 3583.12 – 1991 – Determination of Available Alkali

Laboratory Sample No.: 257910  
Date Sampled: 06/09/21  
Date Received: 09/09/21  
Date Tested:  
Sample Description: Environment ID #  
MDDNM2102733  
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 (%) 0.2

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 25-10-21 Serial No. CHEM96172.NS.1

Accredited for compliance with ISO/IEC 17025 - Testing  
This report shall not be reproduced except in full without the approval of the Boral MTS Laboratory  
Test results in this Test Report relate only to the samples tested

NATA Accredited Laboratory

Number: 9968



**Boral Construction Materials  
Materials Technical Services**

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

T: +61 (02) 9624 9900

F: +61 (02) 9624 9999

www.boral.com.au

**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.: 96172

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

Laboratory Sample No.: 257910  
Date Sampled: 06/09/2021  
Date Received: 09/09/2021  
Date Tested: 16/09/2021  
Sample Description: Environment ID  
# MDDNM2102733  
Field No.: 1

**TEST RESULTS:**

Sulfide Sulfur as S (%) 0.68

Sample submitted by the Client.

- Sample was provided by the Client.
- Test results in this test report 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  
25<sup>th</sup> October 2021

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