

# FINAL REPORT

CERTIFICATE No.: 25132



Boral Cement Limited

N 62 008 528 523

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**TEST CERTIFICATE OF:** Tarong Daily Despatch Grade 1 Fly Ash  
**PRODUCED AT:** Boral Cement Limited Tarong  
**TESTED AT:** Berrima Works Laboratory  
**SAMPLE IDENTIFICATION:** TDDFA2303002  
**DATE DESPATCHED:** 20/07/2023

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.1)	≥ 75 %	88 %
LOI (AS 3583.3)	≤ 4.0 %	2.0 %
Moisture (AS 3583.2)	≤ 0.5 %	< 0.1 %
SO <sub>3</sub> (AS 2350.2)	≤ 3.0 %	< 0.1 %
SiO <sub>2</sub> (AS 2350.2)		71.1 %
Al <sub>2</sub> O <sub>3</sub> (AS 2350.2)		24.3 %
Fe <sub>2</sub> O <sub>3</sub> (AS 2350.2)		0.4 %
Chemical Composition (AS 2350.2)	≥ 70 %	96 %
Total Alkali (AS 2350.2)		0.3 %
Cl (AS 2350.2)	≤ 0.1 %	< 0.01 %

## REMARKS

Sampling not carried out by laboratory. Samples tested as received.



Accredited for compliance with ISO/IEC 17025 - Testing

A handwritten signature in blue ink, appearing to read "Marc Smith".

Marc Smith  
Technical Services Manager

**Boral Construction Materials  
Materials Technical Services**

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TEST REPORT – FLYASH

CLIENT: BORAL CEMENT – (TECHNICAL)

FILE NO: 50/23

ADDRESS: 39 Delhi Road, North Ryde, NSW 2113

REQUEST NO: 107253

SAMPLE IDENTIFICATION: TDDFA2303002

LAB SAMPLE NO: 288330

SOURCE OF SAMPLE: Boral Cement - Berrima

DATE SAMPLED: 20/07/2023

DATE RECEIVED: 07/08/2023

IDENTIFICATION OF CEMENT USED: Boral Cement SL Berrima Ref. 2022

TEST METHOD: AS 3583: Methods of test for supplementary cementitious materials for use with Portland cement

PROPERTY	DATE TESTED	RESULT	TEST METHOD
Relative density	15/08/2023	2.10	AS 3583.5
Relative water requirement	17/08/2023	102%	AS 3583.6
Relative strength 7 days (accelerated)	24/08/2023	94%	AS 3583.6

**Note:**

- Sample supplied by the client and tested as received.

Marc Smith, Parisa Sowti, Violeta Paicu, Stephanie Koehler, Mat. File, File

Approved Signatory

Date

2/9/23

Serial No.

Sam El-Hamawi

CEM107253.SE.1



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This report shall not be reproduced 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