

# FINAL REPORT

CERTIFICATE No.: 26030



Boral Cement Limited

ABN 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:** TDDFA2402114  
**DATE DESPATCHED:** 5/8/2024

| PROPERTY                                   | REQUIREMENTS OF AS 3582.1 - Grade 1 | RESULT   |
|--------------------------------------------|-------------------------------------|----------|
| Fineness (AS 3583.1)                       | ≥ 75 %                              | 82 %     |
| LOI (AS 3583.3)                            | ≤ 4.0 %                             | 1.5 %    |
| 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)               |                                     | 71.2 %   |
| Al <sub>2</sub> O <sub>3</sub> (AS 2350.2) |                                     | 24.0 %   |
| Fe <sub>2</sub> O <sub>3</sub> (AS 2350.2) |                                     | 0.7 %    |
| Chemical Composition (AS 2350.2)           | ≥ 70 %                              | 96 %     |
| Total Alkali (AS 2350.2)                   |                                     | 0.4 %    |
| CI (AS 2350.2)                             | ≤ 0.1 %                             | < 0.01 % |

## REMARKS

Sampling not carried out by laboratory. Samples tested as received and results only relate to the item tested.



Accredited for compliance with ISO/IEC 17025 - Testing

A handwritten signature in blue ink, appearing to read "J. Nairn".

Jason Nairn  
National Technical Manager



**Building something great**

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**TEST REPORT – FLYASH**

**CLIENT:** BORAL CEMENT – (TECHNICAL)

**FILE NO:** 50/24

**ADDRESS:** 39 Delhi Road, North Ryde, NSW 2113

**REQUEST NO:** 112426

**SAMPLE IDENTIFICATION:** TDDFA2402114

**LAB SAMPLE NO:** 303428

**SOURCE OF SAMPLE:** Boral Cement - Berrima

**DATE SAMPLED:** 08/05/2024

**DATE RECEIVED:** 21/05/2024

**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                       | 22/05/2024  | 2.05   | AS 3583.5   |
| Relative water requirement             | 23/05/2024  | 99%    | AS 3583.6   |
| Relative strength 7 days (accelerated) | 30/05/2024  | 96%    | AS 3583.6   |

**Note:**

- Sample supplied by the client and tested as received.

Melody Mancenido, Parisa Sowti, Violeta Paicu, Jason Nairn, Mat. File, File

Approved signatory

Sam El-Hamawi

Date 21/06/2024

Serial no. \_\_\_\_\_

CEM112426.SE.1

