

FINAL REPORT

CERTIFICATE No.: 25225



Boral Cement Limited

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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: TDDFA2303458
DATE DESPATCHED: 16/08/2023

| PROPERTY | REQUIREMENTS OF AS 3582.1 - Grade 1 | RESULT |
|--|-------------------------------------|----------|
| Fineness (AS 3583.1) | ≥ 75 % | 89 % |
| LOI (AS 3583.3) | ≤ 4.0 % | 2.4 % |
| Moisture (AS 3583.2) | ≤ 0.5 % | < 0.1 % |
| SO ₃ (AS 2350.2) | ≤ 3.0 % | < 0.1 % |
| SiO ₂ (AS 2350.2) | | 72.0 % |
| Al ₂ O ₃ (AS 2350.2) | | 23.0 % |
| Fe ₂ O ₃ (AS 2350.2) | | 0.4 % |
| Chemical Composition (AS 2350.2) | ≥ 70 % | 95 % |
| 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

Marc Smith
Technical Services Manager

TEST REPORT – FLYASH**CLIENT:** BORAL CEMENT – (TECHNICAL)**FILE NO:** 50/23**ADDRESS:** 39 Delhi Road, North Ryde, NSW 2113**REQUEST NO:** 107755**SAMPLE IDENTIFICATION:** TDDFA2303458**LAB SAMPLE NO:** 289819**SOURCE OF SAMPLE:** Boral Cement - Berrima**DATE SAMPLED:** 16/08/2023**DATE RECEIVED:** 05/09/2023**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 | 12/09/2023 | 2.09 | AS 3583.5 |
| Relative water requirement | 14/09/2023 | 103% | AS 3583.6 |
| Relative strength 7 days (accelerated) | 21/09/2023 | 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

22/9/23

Serial No.

Sam El-Hamawi

CEM107755.SE.1

