FINAL REPORT

CERTIFICATE No.: 25098



Boral Cement Limited N 62 008 528 523 Taylor Avenue New Berrima NSW 2577 Locked Bag 4 New Berrima NSW 2577 T +61 2 4860 2222

TEST CERTIFICATE OF: Tarong Daily Despatch Grade 1 Fly Ash

PRODUCED AT: Boral Cement Limited Tarong

TESTED AT: Berrima Works Laboratory

SAMPLE IDENTIFICATION: TDDFA2302794

DATE DESPATCHED: 6/07/2023

| PROPERTY | REQUIRE | MENTS OF AS 3582.1 - Grade 1 | RESULT |
|--|---------|------------------------------|----------|
| Fineness (AS 3583.3) | 2 | 75 % | 87 % |
| LOI (AS 3583.3) | ≤ | 4.0 % | 2.0 % |
| Moisture (AS 3583.2) | ≤ | 0.5 % | < 0.1 % |
| SO ₃ (AS 2350.2) | ≤ | 3.0 % | < 0.1 % |
| SiO ₂ (AS 2350.2) | | | 71.9 % |
| Al ₂ O ₃ (AS 2350.2) | | | 22.9 % |
| Fe ₂ O ₃ (AS 2350.2) | | | 0.6 % |
| Chemical Composition (AS 2350.2) | ≥ | 70 % | 95 % |
| Total Alkali (AS 2350.2) | | | 0.4 % |
| CI (AS 2350.2) | ≤ | 0.1 % | < 0.01 % |

REMARKS

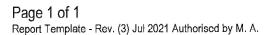
Sampling not carried out by laboratory. Samples tested as received.

NATA

Accredited for compliance with ISO/IEC 17025 - Testing

Marc Smith
Technical Services Manager

NATA Accreditation Number: 530 / 531 Page 1 of 1 Date of Issue: 16/08/2023





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

boral.com.au

TEST REPORT - FLYASH

CLIENT:

BORAL CEMENT - (TECHNICAL)

FILE NO:

50/23

ADDRESS:

39 Delhi Road, North Ryde, NSW 2113

REQUEST NO:

107151

SAMPLE IDENTIFICATION:

TDDFA2302794

LAB SAMPLE NO:

287988

SOURCE OF SAMPLE:

Boral Cement - Berrima

DATE SAMPLED:

06/07/2023

DATE RECEIVED:

01/08/2023

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 Relative water requirement Relative strength 7 days (accelerated) | 02/08/2023 | 2.10 | AS 3583.5 | |
| | 20/07/2023 | 102% | AS 3583.6 | |
| | 10/08/2023 | 98% | 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 _

Serial No.

CEM107151.SE.1

Sam El-Hamawi

ILAC MRA

