

FINAL REPORT

CERTIFICATE No.: 24285



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: TDDFA2204094
DATE DESPATCHED: 20/10/2022

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.3)	≥ 75 %	85 %
LOI (AS 3583.3)	≤ 4.0 %	2.2 %
Moisture (AS 3583.2)	≤ 0.5 %	0.2 %
SO ₃ (AS 2350.2)	≤ 3.0 %	< 0.1 %
SiO ₂ (AS 2350.2)		71.8 %
Al ₂ O ₃ (AS 2350.2)		20.9 %
Fe ₂ O ₃ (AS 2350.2)		2.3 %
Chemical Composition (AS 2350.2)	≥ 70 %	95 %
Total Alkali (AS 2350.2)		0.4 %
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

**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: 50/22

ADDRESS: 39 Delhi Road, North Ryde, NSW 2113

REQUEST NO: 103023

SAMPLE IDENTIFICATION: TDDFA2204094

LAB SAMPLE NO: 276185

SOURCE OF SAMPLE: Boral Cement - Berrima

DATE SAMPLED: 20/10/2022

DATE RECEIVED: 21/11/2022

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	DATE TESTED	RESULT	TEST METHOD
Relative density	07/12/2022	2.16	AS 3583.5
Relative water requirement	08/12/2022	103%	AS 3583.6
Relative strength 7 days (accelerated)	15/12/2022	99%	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 Julius C. Alvaro Julius Alvaro

 Date 19/12/2022

 Serial No. CEM103023.JA.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**