

FINAL REPORT

CERTIFICATE No.: 24796



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: TDDFA2301429
DATE DESPATCHED: 19/04/2023

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.3)	\geq 75 %	87 %
LOI (AS 3583.3)	\leq 4.0 %	2.2 %
Moisture (AS 3583.2)	\leq 0.5 %	0.2 %
SO ₃ (AS 2350.2)	\leq 3.0 %	0.1 %
SiO ₂ (AS 2350.2)		69.4 %
Al ₂ O ₃ (AS 2350.2)		25.2 %
Fe ₂ O ₃ (AS 2350.2)		0.6 %
Chemical Composition (AS 2350.2)	\geq 70 %	95 %
Total Alkali (AS 2350.2)		0.5 %
Cl (AS 2350.2)	\leq 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:** 105525**SAMPLE IDENTIFICATION:** TDDFA2301429**LAB SAMPLE NO:** 283104**SOURCE OF SAMPLE:** Boral Cement - Berrima**DATE SAMPLED:** 19/04/2023**DATE RECEIVED:** 03/05/2023**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	03/05/2023	2.08	AS 3583.5
Relative water requirement	11/05/2023	101%	AS 3583.6
Relative strength 7 days (accelerated)	18/05/2023	93%	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 20/05/2023 Serial No. CEM105525.JA.1

Accredited for compliance with ISO/IEC 17025 – Testing
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