

FINAL REPORT

CERTIFICATE No.: 24646



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: TDDFA2300833
DATE DESPATCHED: 22/02/2023

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.3)	\geq 75 %	82 %
LOI (AS 3583.3)	\leq 4.0 %	2.5 %
Moisture (AS 3583.2)	\leq 0.5 %	< 0.1 %
SO ₃ (AS 2350.2)	\leq 3.0 %	0.1 %
SiO ₂ (AS 2350.2)		70.4 %
Al ₂ O ₃ (AS 2350.2)		23.7 %
Fe ₂ O ₃ (AS 2350.2)		1.1 %
Chemical Composition (AS 2350.2)	\geq 70 %	95 %
Total Alkali (AS 2350.2)		0.6 %
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:** 104776**SAMPLE IDENTIFICATION:** TDDFA2300833**LAB SAMPLE NO:** 280889**SOURCE OF SAMPLE:** Boral Cement - Berrima**DATE SAMPLED:** 22/02/2023**DATE RECEIVED:** 16/03/2023**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	27/03/2023	2.11	AS 3583.5
Relative water requirement	30/03/2023	103%	AS 3583.6
Relative strength 7 days (accelerated)	06/04/2023	95%	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 11/04/2023 Serial No. CEM104776.JA.2

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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.



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