

FINAL REPORT

CERTIFICATE No.: 24766



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: TDDFA2301290
DATE DESPATCHED: 28/03/2023

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.3)	≥ 75 %	84 %
LOI (AS 3583.3)	≤ 4.0 %	3.1 %
Moisture (AS 3583.2)	≤ 0.5 %	< 0.1 %
SO ₃ (AS 2350.2)	≤ 3.0 %	0.1 %
SiO ₂ (AS 2350.2)		67.8 %
Al ₂ O ₃ (AS 2350.2)		21.9 %
Fe ₂ O ₃ (AS 2350.2)		1.7 %
Chemical Composition (AS 2350.2)	≥ 70 %	91 %
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

A handwritten signature in blue ink, appearing to read "Marc Smith".

Marc Smith
Technical Services Manager

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Materials Technical Services**Unit 4, 3-5 Gibbon Road
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boral.com.au**TEST REPORT - FLYASH****CLIENT:** BORAL CEMENT - (TECHNICAL)**FILE NO:** 50/23**ADDRESS:** 39 Delhi Road, North Ryde, NSW 2113**REQUEST NO:** 105278**SAMPLE IDENTIFICATION:** TDDFA2301290**LAB SAMPLE NO:** 282374**SOURCE OF SAMPLE:** Boral Cement - Berrima**DATE SAMPLED:** 28/03/2023**DATE RECEIVED:** 17/04/2023**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	20/04/2023	2.05	AS 3583.5
Relative water requirement	04/05/2023	101%	AS 3583.6
Relative strength 7 days (accelerated)	11/05/2023	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 12/05/2023 Serial No. CEM105278.JA.1

