

FINAL REPORT

CERTIFICATE No.: 23332



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: TDDFA2200505
DATE DESPATCHED: 17/02/2022

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.3)	≥ 75 %	90 %
LOI (AS 3583.3)	≤ 4.0 %	0.9 %
Moisture (AS 3583.2)	≤ 0.5 %	< 0.1 %
SO ₃ (AS 2350.2)	≤ 3.0 %	0.1 %
SiO ₂ (AS 2350.2)		68.1 %
Al ₂ O ₃ (AS 2350.2)		25.8 %
Fe ₂ O ₃ (AS 2350.2)		2.5 %
Chemical Composition (AS 2350.2)	≥ 70 %	96 %
Total Alkali (AS 2350.2)		0.3 %
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


TEST REPORT – FLYASH**CLIENT:** BORAL CEMENT – (TECHNICAL)**FILE NO:** 50/22**ADDRESS:** 39 Delhi Road, North Ryde, NSW 2113**REQUEST NO:** 98265**SAMPLE IDENTIFICATION:** Tarong Fly ash – TDDFA2200505**LAB SAMPLE NO:** 263901**SOURCE OF SAMPLE:** Boral Cement**DATE SAMPLED:** 17/02/2022**DATE RECEIVED:** 24/02/2022**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	24/02/2022	2.14	AS 3583.5
Relative water requirement	24/02/2022	104%	AS 3583.6
Relative strength 7 days (accelerated)	03/03/2022	89%	AS 3583.6
Relative strength 28 days (standard)	24/03/2022	88%	AS 3583.6

Note:

- Sample supplied by the client and tested as received.

Marc Smith, Parisa Sowti, Violeta Paicu, Mat. File, File

Approved Signatory  Julius Alvaro
Date 29/03/2022 Serial No. CEM98265.JA.4