

STANDARD FLY ASH CERTIFICATE



FINAL
Prior Reports: None

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Certificate Number: CERT223877
Issued: 20 September 2022

Product being certified: Melbourne Out Monthly Grab Fly Ash
Product sample date: 05-Sep-2022
Sample Identification: Sample Code: 22090229
Source Power Station Blend of Central QLD fly ash sources (Gladstone, Callide, Stanwell)
Alternative Names: Melbourne Ash, NSW Ash.

Testing Conditions: As received at Cement Australia Darra Laboratory,
18 Station Avenue, Darra Queensland 4076 Australia. Testing Commenced on 06-Sep-2022

Test Results

Test	Moisture %	Fineness @ 45 micron % Passed	Loss on Ignition %	Sulfuric Anhydride %	Available Alkali %	Chloride Ion %	Chemical Composition %
Result	< 0.1	88	0.7	0.1	Not Tested	< 0.002	93
Test Method	AS3583.2	AS3583.1	AS3583.3	AS2350.2	AS3583.12	AS3583.13	AS2350.2
AS 3582.1	0.5 % Maximum	85% Minimum	3.0 % Maximum	3.0 % Maximum	-	0.1 % Maximum	70% Minimum

Test	Relative Density	Relative Water Requirement %	Strength Index 7 Day Acc. %	Reference Cement Details
Result	2.30	92	110	Identification:: 22090291 Source: Goliath GP
Test Method	AS3583.5	AS3583.6	AS3583.6	Product Type: Type GP
AS 3582.1	-	-	Minimum 105%	Sample Date: 09-Sep-22

Additional Testing - Oxides


Test	CaO by XRF %	SiO ₂ by XRF %	Al ₂ O ₃ by XRF %	Fe ₂ O ₃ by XRF %	SO ₃ by XRF %	MgO by XRF %	Na ₂ O by XRF %
Result	2.5	57.0	27.3	8.7	0.1	1.0	0.24
Test Method	AS2350.2	AS2350.2	AS2350.2	AS2350.2	AS2350.2	AS2350.2	AS2350.2

Test	K ₂ O by XRF %	SrO by XRF %	TiO ₂ by XRF %	P ₂ O ₅ by XRF %	Mn ₂ O ₃ by XRF %	Total Alkali (NaEQ) %
Result	0.76	<0.1	1.5	0.5	0.1	0.74
Test Method	AS2350.2	AS2350.2	AS2350.2	AS2350.2	AS2350.2	AS2350.2

This sample grade conforms to the following requirements of AS 3582.1:2016


Special	Grade 1	Grade 2
X	X	

Approved Signatory



A Prem
Chemical Testing
Construction Materials Testing

Accredited for compliance with ISO/IEC 17025 - Testing
NATA is a signatory to the ILAC Mutual Recognition
Arrangement for the mutual recognition of the
equivalence of testing, medical testing, calibration,
inspection, proficiency testing scheme providers and
reference materials producers reports and certificates.



Laboratory accreditation number: 188
Laboratory accreditation number: 187

WORLD RECOGNISED
ACCREDITATION

Notes:

