

STANDARD FLY ASH CERTIFICATE



**MILLMERRAN
FLYASH**

SUSTAINABLE STRENGTH

FINAL

Prior Reports: None

Certificate Number: CERT243775

Issued: 28 October 2024

Independent Flyash Brokers Pty Ltd

Head Office
431 Moffatt Reserve
Millmerran QLD 4357
Tel : (07) 4695 6033
Fax: (07) 4695 6133
www.mflyash.com.au

Product being certified: Independent Flyash Broker Monthly Grab Fly Ash
Product sample date: 01-Oct-2024
Sample Identification: Sample Code: 24100127
Source Power Station: Millmerran Power Station
Sample Condition: Tested as Received. Testing Commenced on 04-Oct-2024
Certifying Laboratory: Cement Australia - Darra Laboratory,
18 Station Avenue, Darra Queensland 4076 Australia.

Test Results

Test	Moisture %	Fineness @ 45 micron % Passed	Loss on Ignition %	Sulfuric Anhydride %	Available Alkali %	Chloride Ion %	Chemical Composition %
Result	< 0.1	75	0.1	0.1	Not Tested	< 0.002	94.4
Test Method	AS 3583.2	AS 3583.1	AS 3583.3	AS 2350.2	AS 3583.12	AS 3583.13	AS 2350.2
AS/NZS 3582.1	0.5 % Maximum	75% Minimum	4.0 % Maximum	3.0 % Maximum	-	0.1 % Maximum	70% Minimum

Test	Relative Density	Relative Water Requirement %	Strength Index 7 Day Acc. %	Reference Cement Details
Result	1.85	95	83	Identification:: 24101126 Source: Goliath GP
Test Method	AS 3583.5	AS 3583.6	AS 3583.6	Product Type: Type GP
AS/NZS 3582.1	-	-	75% Minimum	Sample Date: 15-Oct-24

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	2.1	59.1	32.4	2.9	0.1	0.9	0.35
Test Method	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2

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	0.62	<0.1	1.6	0.2	< 0.1	0.76
Test Method	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2

This sample conforms to the material requirements as prescribed in Table 1 of AS 3582.1

Special	Grade 1	Grade 2
	X	

Approved Signatory

V Connell

V Connell
Signatory - Cement Australia
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

Notes:

