STANDARD FLY ASH CERTIFICATE



FINAL
Prior Reports: None

Certificate Number: CERT211679

Issued: 01 July 2021

Flyash Australia Pty Ltd
ABN 68 002 840 271
P.O. Box 190
Eastwood NSW 2122
Email: contact@flyash.com.au
www.flyashaustralia.com.au

Product being certified: Bayswater - Microash Monthly Grab Fly Ash

Product sample date: 01-Jun-2021

Sample Identification: Sample Code: 21060314
Source Power Station: Bayswater Power Station

Sample Condition: Tested as Received. Testing Commenced on 09-Jun-2021

Certifying Laboratory: Cement Australia - Darra Laboratory,

18 Station Avenue, Darra Queensland 4076 Australia.

Test Results

Test	Moisture	Fineness @ 45 micron	Loss on Ignition	Sulfuric Anhydride	Available Alkali	Chloride Ion	Chemical Composition
	%	% Passed	%	%	%	%	%
Result	0.1	97	0.4	0.1	n/a	0.001	97.1
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	
		%	%	Identification:: 21060433	
Result	2.28	92	124	Source: Goliath GP	
Test Method	AS3583.5	AS3583.6	AS3583.6	Product Type: Type GP	
AS 3582.1	-	-	Exceeds 105%	Sample Date: 11-Jun-21	

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 %	Na₂O by XRF %	
Result	0.4	80.6	13.6	2.9	0.1	0.2	< 0.1	I
Test Method	AS2350.2	AS2350.2	AS2350.2	AS2350.2	AS2350.2	AS2350.2	AS2350.2	Ĭ

Test	K₂O by XRF	SrO by XRF	TiO2 by XRF	P ₂ O ₅ by XRF	Mn₂O₃ by XRF	Total Alkali (NaEQ)
	%	%	%	%	%	%
Result	0.69	<0.1	0.4	0.2	< 0.1	0.53
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
Х	Х	

Approved Signatory

A Prem Signatory - Cement Australia

Chemical Testing
Construction Materials Testing

Construction Materials Testing

this document are traceable to Australian/national standards.

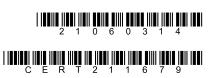
calibrations and/or measurements included in

Accredited for compliance with ISO/IEC 17025 - Testing. The results of the tests,

Cement Australia - Darra Laboratory NATA Accredited Laboratory Numbers 187 188



Notes:



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