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CLASSIFIED FLYASH

Despatched from Morgan Cement International -PO Box 230, Port Kembla, NSW, 2505

For the month of February 2013

TEST CERTIFICATE NUMBER 4596

Sample Number	Sample Date	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	SO ₃	LOI	Fineness % 45um Residue	Moisture Content %	Relative Density	Relative Water %	Relative Strength 7 day %	Relative Strength 28 day %
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
B03b9ef	28-Feb-2013	65.5	22.7	2.7	2.3	0.5	0.68	1.58	0.1	1.4	88	<0.1	2.12	102	91	90
AS 3582.1-1998		N/R	N/R	N/R	N/R	N/R	N/R	N/R	MAX 3.0	MAX 4.0	MIN 75	MAX 1.0	N/R	N/R	N/R	N/R
Standard Limit																

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Fly ash produced by Vales Point Power Station.

Sample Method: Grab sample of ash with sample number MA-2510 delivered into the Birkenhead Works for the date shown.

Results applicable only to samples tested.

Oxide analysis by X-ray Fluorescence (fused bead)

Testing performed on samples as received at the Birkenhead Division Laboratory (Accredited number:252) in accordance with AS 2350.2:2006, AS3583.1:1998 and 3583.2,3,5:1991

Relative Water and Relative Strength tested at the Angaston Division Laboratory (Accredited number :73) in accordance with AS5583.6:1995 using Internal Reference Cement A05e938 as the control

N/R = No Requirement



WORLD RECOGNISED ACCREDITATION

This document is issued in accordance with NATA's accreditation requirements. Accredited for compliance with ISO/IEC 17025. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

NATA Laboratories
 Accredited Number: 252
 Accredited Number: 73

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Issue Date 10-May-13

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CLASSIFIED FLYASH
 Despatched from Morgan Cement International -PO Box 230, Port Kembla, NSW, 2505
 For the month of March 2013
 TEST CERTIFICATE NUMBER 4600

Sample Number	Sample Date	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	SO ₃	LOI	Fineness % 45um Residue	Moisture Content %	Relative Density	Relative Strength		
		%	%	%	%	%	%	%	%	7 day %				28 day %		
B03c2eb	30-Mar-2013	66.7	22.8	2.6	2.1	0.5	0.73	1.26	0.1	1.5	88	0.1	2.11	104	92	89
AS 3582.1-1998		N/R	N/R	N/R	N/R	N/R	N/R	N/R	MAX 3.0	MAX 4.0	MIN 75	MAX 1.0	N/R	N/R	N/R	N/R
Standard Limit																

This document was produced by the Birkenhead Laboratory and shall not be reproduced except in full.

Fly ash produced by Vales Point Power Station.

Sample Method: Grab sample of ash with sample number MA-2525 delivered into the Birkenhead Works for the date shown.

Results applicable only to samples tested.

Oxide analysis by X-ray Fluorescence (fused bead)

Testing performed on samples as received at the Birkenhead Division Laboratory (Accredited number:252) in accordance with AS 2350.2:2006, AS3583.1:1998 and 3583.2.3.5:1991

Relative Water and Relative Strength tested at the Angaston Division Laboratory (Accredited number :73) in accordance with AS3583.6:1995 using Internal Reference Cement A05eb5a as the control

N/R = No Requirement



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Issue Date 16-May-13