



We Commit. We Do.
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CERTIFICATE OF QUALITY

EverPlus (Class C Flyash)



Name of Power Station **Huntly** Testing Laboratory **GBC & Boral Materials Technical Services**

Source of Sampling **Eastport & Portland Flyash Silos** Grade of Sample **Grade 1**

Issued to: **Technical Sales Manager**

Test Report No: **18#307**

Code	Date of Sampling	Moisture %	Loss on Ignition %	Passing 45 Micron %	Sulphate SO3 * %	Available Alkali * %	Total Alkali (Na2O Equiv) %	Relative Density	Relative Water %	Strength Index %	Chloride * %	Chemical Composition (SiO2 + Al2O3 + Fe2O3)
Mean		0.1	0.3	86.2	0.6	0.6	1.34	2.46	89.8	110.4	0.007	72.8
Standard Deviation		0.0	0.1	1.3	0.1	0.1	0.17	0.05	0.6	2.3	0.002	2.3
Min		0.0	0.1	83.9	0.5	0.5	1.18	2.40	89.5	107.1	0.005	66.9
Max		0.2	0.5	88.7	0.6	0.7	1.82	2.53	90.8	112.4	0.008	76.0
AS/NZS 3582.1-2016		<0.5	< 4.0	> 75	< 3.0						<0.1	> 60%
181213-538	13/12/18	0.1	0.3	87.0	#	#	1.62	#	#	#	#	71.6
181208-724	08/12/18	0.1	0.3	85.1	#	#	1.20	#	#	#	#	75.1
181201-063	01/12/18	0.2	0.4	84.1	#	#	1.44	#	#	#	#	72.2
181130-158	30/11/18	0.1	0.3	83.9	#	#	1.36	#	#	#	#	72.3
181129-806	29/11/18	0.1	0.3	86.7	#	#	1.49	#	#	#	#	71.8
181118-323	18/11/18	0.0	0.3	84.8	#	#	1.21	#	#	#	#	73.1
181111-949	11/11/18	0.1	0.3	86.1	#	#	1.40	#	#	#	#	70.0
181104-494	04/11/18	0.1	0.2	86.5	#	#	1.26	#	#	#	#	75.0
181030-136	30/10/18	0.1	0.4	87.0	0.6	0.7	1.53	2.43	89.5	111.0	0.008	71.9
181028-184	28/10/18	0.1	0.3	88.7	#	#	1.35	#	#	#	#	73.3
181007-524	07/10/18	#	0.4	86.4	#	#	1.82	2.51	#	#	#	71.3
180930-523	30/09/18	0.1	0.3	85.0	#	#	1.31	#	#	#	#	72.0
180930-824	30/09/18	0.1	0.2	85.9	0.6	0.6	1.25	2.46	89.5	111.0	0.006	71.4
180926-772	26/09/18	0.1	0.2	85.3	#	#	1.26	#	#	#	#	76.0
180916-489	16/09/18	0.1	0.1	85.3	#	#	1.18	#	#	#	#	75.4
180902-109	02/09/18	0.1	0.1	87.5	#	#	1.18	#	#	#	#	71.5
180830-779	30/08/18	0.1	0.2	86.2	0.5	0.5	1.19	2.40	89.5	112.4	0.005	74.3
180826-780	26/08/18	0.1	0.3	88.4	#	#	1.51	#	#	#	#	70.4
180819-464	19/08/18	0.1	0.3	88.1	#	#	1.20	#	#	#	#	75.6
180812-463	12/08/18	0.1	0.3	87.1	#	#	1.20	#	#	#	#	75.3
180808-932	08/08/18	0.1	0.1	86.9	#	#	1.19	#	#	#	#	76.0
180730-986	30/07/18	0.1	0.3	84.7	0.6	0.6	1.41	2.53	90.8	107.1	0.008	66.9
180729-270	29/07/18	0.1	0.2	88.1	#	#	1.19	#	#	#	#	73.5
180722-269	22/07/18	0.1	0.3	85.0	#	#	1.46	#	#	#	#	70.0
180715-553	15/07/18	0.1	0.5	86.2	#	#	1.27	#	#	#	#	74.9

* Boral Materials Testing Services, Australia, Nata Accredited Laboratory No: 9968

The Relative Water & Relative Strength Tests used NZS 3122 Type GP cement in the mortars

The above samples were tested as received in accordance with methods stated in the AS 3583 series.

Total alkali & chemical composition results outside the scope of accreditation.

No result available at time of certificate issue

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Jim White

Jim White
Quality System Co-ordinator

Date issued: 19/12/18

