



# CERTIFICATE OF QUALITY

## EcoPlus® - Huntly Flyash



Power Station: Huntly  
 Source of Sampling: Eastport Service Centre  
 Issued to: National Sales Manager

Testing Laboratory: GB & Cement Australia  
 Grade of Sample: Grade 1  
 Test Report No: 23#144

Code	Date of Sampling	Moisture	Loss on Ignition	Passing 45 Micron	Sulphate SO <sub>3</sub> *	Available Alkali *	Total Alkali (Na <sub>2</sub> O Equiv)	Relative Density	Relative Water *	Strength Index *	Chloride *	Chemical Composition (SiO <sub>2</sub> + Al <sub>2</sub> O <sub>3</sub> + Fe <sub>2</sub> O <sub>3</sub> ) (%)
		%	%	%	%	%	%		%	%	%	
Mean		0.1	0.7	87.2	1.2	1.6	3.55	2.64	87.0	127.0	0.007	62.8
Standard Deviation		0.2	0.5	3.8	0.2	0.6	0.64	0.02	1.7	1.0	0.004	1.5
Min		0.0	0.2	80.6	1.1	1.1	2.78	2.62	85.0	126.0	0.004	60.1
Max		0.8	1.9	94.9	1.4	2.0	5.09	2.67	88.0	128.0	0.011	65.2
AS/NZS 3582.1:2016		< 0.5	< 4.0	> 75	< 3.0					> 75	< 0.1	> 60
231202-562	02/12/23	0.0	0.2	88.9	#	#	3.38	#	#	#	#	63.4
231130-370	30/11/23	0.1	1.6	84.8	#	#	4.25	2.63	#	#	#	62.2
231118-945	18/11/23	0.1	1.9	80.6	#	#	4.59	#	#	#	#	60.8
231111-772	11/11/23	0.1	0.5	84.3	#	#	3.82	#	#	#	#	64.8
231030-252	30/10/23	0.0	0.4	86.8	1.4	#	4.06	2.63	88.0	127.0	0.011	64.2
231028-201	28/10/23	0.1	0.4	94.9	#	#	3.66	#	#	#	#	63.6
231021-727	21/10/23	0.0	0.4	85.9	#	#	3.90	#	#	#	#	62.8
231013-419	13/10/23	0.1	0.4	90.3	#	#	5.09	#	#	#	#	62.3
230930-014	30/09/23	0.1	0.4	89.9	#	#	3.10	#	#	#	#	63.6
230930-309	30/09/23	0.0	0.3	83.2	1.1	2.0	3.04	2.62	88.0	128.0	0.005	63.7
230923-013	23/09/23	0.2	0.3	89.6	#	#	3.23	#	#	#	#	63.9
230916-409	16/09/23	0.0	0.3	85.2	#	#	2.84	#	#	#	#	65.2
230905-551	05/09/23	0.1	0.3	#	#	#	2.83	#	#	#	#	63.5
230930-307	30/08/23	0.0	0.4	89.5	1.1	1.1	2.78	2.67	85.0	126.0	0.004	62.5
230829-301	29/08/23	0.1	0.7	#	#	#	3.19	#	#	#	#	62.6
230829-300	29/08/23	0.2	0.9	#	#	#	3.49	#	#	#	#	60.8
230818-885	18/08/23	0.8	1.2	#	#	#	3.19	#	#	#	#	60.6
230818-884	18/08/23	0.3	1.4	#	#	#	3.48	#	#	#	#	60.1

Note: The above samples were tested as received in accordance with methods stated in AS/NZS 3582.1:2016

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

Strength Index (%) is 7 day Accelerated

\* Tested by Cement Australia, Nata Accredited Laboratory Nos: 187, 188

# No result available at time of certificate issue

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Vincent Lane  
Works Chemist

Date issued: 07/12/23

Portland Works, Portland, Whangarei 0178

