



# CERTIFICATE OF QUALITY

## EcoPlus™ - Nellore Flyash



Testing Laboratory **GBC & Cement Australia**

Source of Sampling: **Mount Maunganui & Wellington SC**

Grade of Sample **Grade 1**

Issued to: **National Sales Manager**

Test Report No: **24#151**

Code	Date of Sampling	Supplier	Source	Moisture	Loss on Ignition	Passing 45 Micron	Sulphate SO3 *	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	0.3	92.9	0.1	0.3	0.97	2.15	93.1	99.1	0.002	92.8
Standard Deviation				0.0	0.1	1.9	0.0	0.0	0.04	0.02	0.9	4.1	0.000	1.2
Min				0.0	0.1	87.3	0.1	0.2	0.86	2.13	91	95	0.002	90.2
Max				0.2	0.6	96.3	0.1	0.3	1.04	2.18	94	111	0.002	94.4
AS/NZS 3582.1-2016				< 0.5	< 4.0	> 75	< 3.0					> 75	< 0.1	> 60%
241029-165	29/10/24	Nellore	MPO 50-1	0.2	0.5	94.0	#	#	0.93	#	#	#	#	91.6
240930-142	30/09/24	Nellore	MPO 48-2	0.1	0.3	93.6	#	#	0.95	2.14	#	#	#	90.8
240822-593	30/08/24	Nellore	MPO 48-2	0.0	0.3	93.0	0.1	#	0.95	2.16	94	98	0.002	92.8
240731-308	31/07/24	Nellore	MPO 48-2	0.1	0.3	92.3	#	#	0.98	2.16	#	#	#	91.8
240628-953	28/06/24	Nellore	MPO 48-2	0.0	0.3	92.7	0.1	0.3	0.96	2.15	93	111	0.002	92.8
240530-481	30/05/24	Nellore	MPO 48-2	0.1	0.3	92.2	0.1	#	0.94	2.14	93	99	0.002	94.3
240515-034	15/05/24	Nellore	MPO 48-2	0.1	0.6	92.0	#	#	0.95	#	#	#	#	92.1
240430-323	30/04/24	Nellore	MPO 48-1	0.0	0.3	94.1	0.1	0.3	0.96	2.16	93	95	0.002	92.9
240419-926	19/04/24	Nellore	MPO 48-1	0.0	0.2	93.9	#	#	0.96	#	#	#	#	94.1
240330-330	30/03/24	Nellore	MPO 46 & 47	0.0	0.2	93.9	0.1	0.3	0.96	2.15	93	97	0.002	93.0
240318-212	18/03/24	Nellore	MPO 46	0.0	0.2	90.5	0.1	0.3	1.01	2.14	93	100	0.002	93.6
240309-737	09/03/24	Nellore	MPO 47	0.1	0.5	91.3	0.1	0.3	0.98	2.18	93	102	0.002	94.4
240309-734	09/03/24	Nellore	MPO 46	0.1	0.1	95.6	#	#	1.04	#	#	#	#	90.2
240303-736	03/03/24	Nellore	MPO 46	0.1	0.2	91.4	#	#	1.00	#	#	#	#	93.3
240229-389	29/02/24	Nellore	MPO 50	0.0	0.4	91.2	0.1	0.3	0.99	2.15	91	98	0.002	93.5
240228-735	28/02/24	Nellore	MPO 46	0.1	0.2	91.2	#	#	1.02	#	#	#	#	93.7
240221-348	21/02/24	Nellore	MPO 50-1	0.0	0.3	94.4	0.1	0.3	0.95	#	94	95	0.002	92.1
240221-347	21/02/24	Nellore	MPO 50-2	0.0	0.4	87.3	#	#	0.86	#	#	#	#	93.2
240221-346	21/02/24	Nellore	MPO 50-3	0.1	0.2	93.8	#	#	1.01	#	#	#	#	91.0
240220-060	20/02/24	Nellore	MPO 48-1	0.0	0.3	94.5	#	#	1.02	#	#	#	#	93.7
231220-524	20/12/23	Nellore	MPO 50-2	0.1	0.5	93.9	0.1	0.3	0.87	2.17	92	101	0.002	94.1
231220-523	20/12/23	Nellore	MPO 50-3	0.0	0.3	93.3	0.1	0.3	0.97	2.18	92	101	0.002	92.2
231030-248	30/10/23	Nellore	MPO 48-2	0.0	0.3	96.3	0.1	0.2	1.00	2.16	94	97	0.002	91.7
231030-247	30/10/23	Nellore	MPO 50-1	0.1	0.2	95.0	0.1	0.3	0.96	2.13	94	95	0.002	94.0
231026-243	26/10/23	Nellore	MPO 48-1	0.1	0.2	92.2	0.1	0.3	0.98	2.16	94	99	0.002	93.7

Note: The above samples were tested as received in accordance with methods stated in the 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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Date issued: 14/11/24

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