



# CERTIFICATE OF QUALITY

## EcoPlus® - Adani Flyash



Source of Sampling: Mount Maunganui Service Centre

Issued to: National Sales Manager

Testing Laboratory: GB & Cement Australia

Grade of Sample: Grade 1

Test Report No: 23#143

Code	Date of Sampling	Source	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
			%	%	%	%	%	%	%	%	%	%	%
Mean			0.1	0.3	87.7	0.8	1.3	3.38	2.56	87.4	119.6	0.002	80.0
Standard Deviation			0.1	0.1	1.7	0.1	0.2	0.27	0.02	2.3	2.2	0.000	1.9
Min			0.0	0.1	84.4	0.8	1.1	2.91	2.53	85.0	117.0	0.002	75.2
Max			0.2	0.9	90.5	0.9	1.6	3.85	2.58	90.0	123.0	0.003	83.0
AS/NZS 3582.1:2016			< 0.5	< 4.0	> 75	< 3.0					> 75	< 0.1	> 60
231123-563	23/11/23	Adani, Mundra, India	0.0	0.3	87.7	#	#	3.24	#	#	#	#	79.6
231030-244	30/10/23	Adani, Mundra, India	0.2	0.2	87.2	#	#	3.26	2.55	#	#	#	80.7
230930-351	30/09/23	Adani, Mundra, India	0.0	0.3	86.4	0.8	1.2	3.05	2.58	88.0	120.0	0.002	80.5
230927-685	27/09/23	Adani, Mundra, India	0.2	0.5	86.4	#	#	3.15	#	#	#	#	79.2
230927-684	27/09/23	Adani, Mundra, India	0.1	0.3	85.8	#	#	3.02	#	#	#	#	78.7
230905-644	05/09/23	Adani, Mundra, India	0.2	0.3	84.4	#	#	2.91	#	#	#	#	80.5
230901-645	01/09/23	Adani, Mundra, India	0.2	0.4	85.1	#	#	3.09	#	#	#	#	82.2
230830-364	30/08/23	Adani, Mundra, India	0.1	0.4	86.6	0.8	1.1	3.22	2.53	85.0	117.0	0.002	82.4
230825-356	25/08/23	Adani, Mundra, India	0.2	0.4	86.7	#	#	3.05	#	#	#	#	83.0
230814-650	14/08/23	Adani, Mundra, India	0.1	0.2	88.9	#	#	3.57	#	#	#	#	80.5
230807-651	07/08/23	Adani, Mundra, India	0.2	0.4	87.8	#	#	3.17	#	#	#	#	82.1
230802-200	02/08/23	Adani, Mundra, India	0.1	0.2	86.7	#	#	3.20	#	#	#	#	82.0
230730-082	30/07/23	Adani, Mundra, India	0.1	0.2	87.6	0.9	1.2	3.62	2.56	89.0	119.0	0.002	81.2
230727-063	27/07/23	Adani, Mundra, India	0.1	0.2	90.3	#	#	3.53	#	#	#	#	81.0
230721-064	21/07/23	Adani, Mundra, India	0.1	0.3	88.1	#	#	3.51	#	#	#	#	79.6
230713-268	13/07/23	Adani, Mundra, India	0.1	0.1	88.6	#	#	3.54	#	#	#	#	81.2
230713-267	13/07/23	Adani, Mundra, India	0.1	0.3	89.5	#	#	3.54	#	#	#	#	79.5
230713-040	13/07/23	Adani, Mundra, India	0.1	0.4	87.0	#	#	3.36	#	#	#	#	77.5
230707-039	07/07/23	Adani, Mundra, India	0.1	0.3	90.4	#	#	3.84	#	#	#	#	80.6
230630-730	30/06/23	Adani, Mundra, India	0.1	0.4	88.8	0.8	1.4	3.64	2.56	85.0	123.0	0.003	79.2
230623-353	23/06/23	Adani, Mundra, India	0.0	0.3	85.8	#	#	3.40	#	#	#	#	76.8
230602-671	02/06/23	Adani, Mundra, India	0.0	0.3	86.9	#	#	3.55	#	#	#	#	78.5
230530-948	30/05/23	Adani, Mundra, India	0.0	0.4	90.5	#	#	3.85	#	#	#	#	80.8
230530-946	30/05/23	Adani, Mundra, India	0.0	0.9	89.2	#	#	3.49	#	#	#	#	75.2
230530-247	30/05/23	Adani, Mundra, India	0.0	0.2	90.0	0.9	1.6	3.72	2.56	90.0	119.0	0.002	77.7

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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Works Chemist

Date issued: 06/12/23

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