

Sample Date	45µm	LOI	SO3	S	MgO	Fe2O3	Al2O3	Mn2O3	Total Alkali	Chloride	Insoluble residue	Relative density	Relative water	Strength Index
	%	%	%	%	%	%	%	%	NaEQ%	%	%		%	%
31-Jan-25	1.5	-0.5	2.0	0.8	6.9	0.41	13.40	0.23	0.5	0.001	0.2	2.81	102	107
31-Dec-24	2.3	-0.9	1.7	0.8	7.1	0.45	13.56	0.24	0.5	0.005	0.2	2.88	100	101
30-Nov-24	2.7	-0.6	1.6	0.8	6.9	0.50	13.37	0.24	0.5	0.004	0.5	2.87	100	111
20-Oct-24	2.1	-0.6	1.7	0.8	6.8	0.57	13.27	0.25	0.5	<0.001	0.3	2.90	102	106
15-Jul-24	1.8	-0.7	1.7	0.8	7.4	0.46	13.58	0.26	0.6	<0.001	0.2	2.88	101	107
19-Jun-24	1.6	-0.8	2.0	0.8	7.0	0.60	13.58	0.25	0.5	<0.001	0.3	2.89	101	101
22-May-24	1.6	-0.1	2.9	0.8	5.9	0.89	13.84	0.22	0.5	<0.001	0.8	2.89	104	105
18-Apr-24	3.1	-0.3	3.1	0.8	5.9	0.85	13.87	0.21	0.5	0.001	0.3	2.87	102	103
20-Mar-24	2.0	-0.8	2.6	0.8	6.0	1.01	14.15	0.20	0.4	0.001	0.3	2.88	101	104
29-Feb-24	1.6	-0.1	2.6	0.8	5.8	0.92	14.12	0.19	0.4	<0.001	0.2	2.88	101	102
15-Jan-24	1.7	-0.6	2.2	0.8	6.1	0.81	14.39	0.20	0.4	<0.001	0.2	2.91	101	102
19-Dec-23	1.1	-1.0	2.0	0.8	6.1	0.91	14.55	0.20	0.4	<0.001	0.2	2.91	101	112
26-Nov-23	1.3	-0.8	2.5	0.9	6.1	0.85	14.31	0.20	0.5	0.004	0.2	2.89	101	112
Mean	1.9	-0.6	2.2	0.8	6.5	0.7	13.8	0.2	0.5			2.88	101	106
StdDev	0.6	0.3	0.49	0.02	0.56	0.2	0.4	0.02	0.06			0.03	1.0	4
AS/NZS 3582.2:2016 Specifications				1.50% Max	15% Max		18% Max			0.10% Max				
HR Cement Ltd is registered for the production & distribution of cement in accordance with ISO 9001:2015. Eco-cem is tested in accordance with AS / NZS 3582.2:2016.														
Samples tested as received. This Test Report may not be reproduced except in full.														
Nata Accreditation Numbers: 187, 188														
														
Dave Chater - Technical Manager					Issue Date: 10/04/2025					Report ID: HRC-ECO-CEM-106				