

Week Ending	Supplier ID	SO3 (%)	Sodium Equ (NaEq)	Residue (%)	Fineness (m2/kg)	Initial Set (min)	Final Set (hour)	Soundness (%)	Water (%)	LOI (%)	3 D-MS (MPa)	7 D-MS (MPa)	28 D-MS (MPa)
19/11/2021	HRCL	2.89	0.42	5.33					29.2	3.66			
12/11/2021	HRCL	2.89	0.46	5.20					29.2	3.76			
05/12/2021	HRCL	2.80	0.41	5.50	326	120	400	0.00	29.2	3.37	35.9	48.9	
29/10/2021	HRCL	2.90	0.47	5.90	323	120	4.00	0.00	29.2	3.55	35.4	47.5	
22/10/2021	HRCL	2.90	0.46	5.00	329	120	3.75	3.00	29.2	3.73	36.1	48.2	
15/10/2021	HRCL	2.93	0.48	6.00	316	135	3.75	0.00	29.7	3.45	36.6	49.1	69.5
08/10/2021	HRCL	2.93	0.46	5.30	322	120	4.00	0.00	29.7	3.45	36.6	49.2	69.3
01/10/2021	HRCL	2.79	0.45	4.70	320	120	3.25	2.00	28.8	3.39	35.5	48.5	69.5
24/09/2021	HRCL	2.87	0.47	4.70	341	120	3.25	2.00	28.4	3.30	35.4	56.1	75.5
17/10/2021	HRCL	2.88	0.46	4.70	307	120	3.50	2.00	28.5	3.40	33.8	45.7	67.8
10/09/2021	HRCL	3.08	0.42	5.70	302	120	3.75	0.00	28.4	3.60	35.1	47.7	66.5
27/08/2021	HRCL	3.21	0.41	5.60	320	105	3.25	2.00	28.4	3.70	33.7	45.8	64.9
20/08/2021	HRCL	2.98	0.45	3.90	313	105	3.50	1.00	28.4	3.50	34.6	46.2	66.6
13/08/2021	HRCL	2.95	0.45	4.50	311	120	3.50	0.00	28.3	3.20	36.2	48.9	70.5
06/08/2021	HRCL	2.96	0.46	4.30	317	135	3.75	1.00	28.3	3.29	36.6	48.5	68.0
30/07/2021	HRCL	2.81	0.44	4.40	313	105	3.75	0.00	28.2	3.22	34.2	46.3	66.1
23/07/2021	HRCL	2.86	0.41	5.70	310	105	3.50	0.00	28.2	3.18	33.2	46.4	67.4
16/07/2021	HRCL	2.77	0.39	5.10	315	105	3.25	1.00	28.2	3.69	33.4	47.7	67.6
09/07/2021	HRCL	2.87	0.38	7.00	314	105	3.25	1.00	28.2	3.77	32.4	45.5	65.0
02/07/2021	HRCL	2.62	0.40	5.50	312	105	3.00	1.00	28.2	3.75	30.3	45.7	65.3
25/06/2021	HRCL	2.69	0.39	3.80	311	105	3.50	1.00	27.8	3.42	32.7	48.3	69.7
18/06/2021	HRCL	2.67	0.35	8.50	312	105	3.50	1.00	27.8	3.28	31.9	46.5	68.2
Min		2.62	0.35	3.80	302			0.00	27.8	3.18	30.3	45.5	64.9
Max		3.21	0.48	8.50	341			3.00	29.7	3.77	36.6	56.1	75.5
Mean		2.88	0.43	5.29	316			0.90	28.6	3.49	34.5	47.8	68.1
Std Dev		0.13	0.04	1.03	8.65			0.91	0.56	0.20	1.77	2.33	2.57
NZS 3122:2009		3.50	0.64			45	6.00	5.00				35.0	45.0
Requirements		maximum	maximum			minimum	maximum	maximum				Minimum	Minimum

RT – Retesting Sample

The above samples were tested as received in accordance with AS/NZS 2350

Results also on www.hrcl.co.nz website

All testing performed by IANZ / NATA approved Laboratory.

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Quality
ISO 9001

HR - Ordinary Portland Cement Type GP

Material Type : Cement
Material Code : GP-
From : 18/06/2021
To : 26/11/2021

