

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)
29/09/2017	HRCL			4.20	310								
22/09/2017	HRCL	2.70	0.52	4.10	320	90	2.75	2.00	27.9	1.15	34.7		
15/09/2015	HRCL	2.40	0.54	5.00	315	90	2.75	1.00	27.9	1.20	34.0	47.7	
08/09/2017	HRCL	2.45	0.54	4.50	320	90	2.75	1.00	27.8	1.10	35.1	49.2	
01/09/2017	HRCL	2.90	0.54	4.30	340	90	2.75	1.00	27.8	1.25	33.3	46.8	
18/08/2017	HRCL	2.50	0.53	4.30	335	105	3.50	1.00	29.3	1.15	34.2	48.7	64.1
11/08/2017	HRCL	2.50	0.52	4.20	335	90	3.50	2.00	28.7	1.20	35.4	51.0	65.0
28/07/2017	HRCL	2.40	0.53	4.70	340	105	2.75	0.00	29.3	1.05	34.5	50.1	64.0
21/07/2017	HRCL	2.40	0.51	4.80	335	120	2.75	0.00	29.3	0.85	36.2	52.1	66.4
14/07/2017	HRCL	2.35	0.51	4.20	325	105	3.00	1.00	29.5	1.00	34.6	50.4	64.7
07/07/2017	HRCL	2.40	0.51	4.40	325	90	3.25	0.00	28.8	1.00	33.8	50.0	64.4
30/06/2017	HRCL	2.40	0.51	4.70	330	90	2.75	0.00	28.8	1.00	34.0	48.3	65.0
23/06/2017	HRCL	2.50	0.53	5.50	335	90	3.00	3.00	28.8	1.20	34.0	50.4	65.3
16/06/2017	HRCL	2.40	0.52	4.70	330	105	3.00	1.00	28.8	1.10	34.6	50.7	66.9
09/06/2017	HRCL	2.50	0.53	4.30	330	90	2.75	2.00	28.8	1.17	34.7	50.1	68.1
02/06/2017	HRCL	2.70	0.52	4.30	325	105	2.75	1.00	27.6	1.20	34.2	46.4	64.4
26/05/2017	HRCL	3.00	0.54	4.20	345	90	2.75	1.00	28.8	1.20	38.3	52.2	65.7
19/05/2017	HRCL	2.60	0.53	4.20	335	105	2.75	2.00	28.8	1.25	36.7	53.3	67.3
12/05/2017	HRCL	2.49	0.54	4.80	330	105	3.25	1.00	28.8	1.10	35.5	52.3	65.8
05/05/2017	HRCL	2.65	0.52	4.50	335	75	3.00	1.00	28.8	1.25	36.5	52.4	67.4
28/04/2017	HRCL	3.05	0.52	4.60	320	90	3.00	2.00	28.8	1.50	34.4	47.0	65.5
Min		2.35	0.51	4.10	310			0.00	27.6	0.85	33.3	46.4	64.0
Max		3.05	0.54	5.50	345			3.00	29.5	1.50	38.3	53.3	68.1
Mean		2.54	0.53	4.50	330			1.11	28.7	1.12	34.9	50.1	65.6
Std Dev		0.18	0.01	0.33	8.81			0.81	0.57	0.10	1.23	1.98	1.31
NZS 3122:2009		3.50	0.64			45	6.00	5.00				35.0	45.0
Requirements		maximum	maximum			minimum	maximum	maximum				Minimum	Minimum

The above samples were tested as received in accordance with NZS3122:2009 & AS2350:2006
 Results also on www.hrcl.co.nz website
 All testing performed by IANZ / NATA approved Laboratory.
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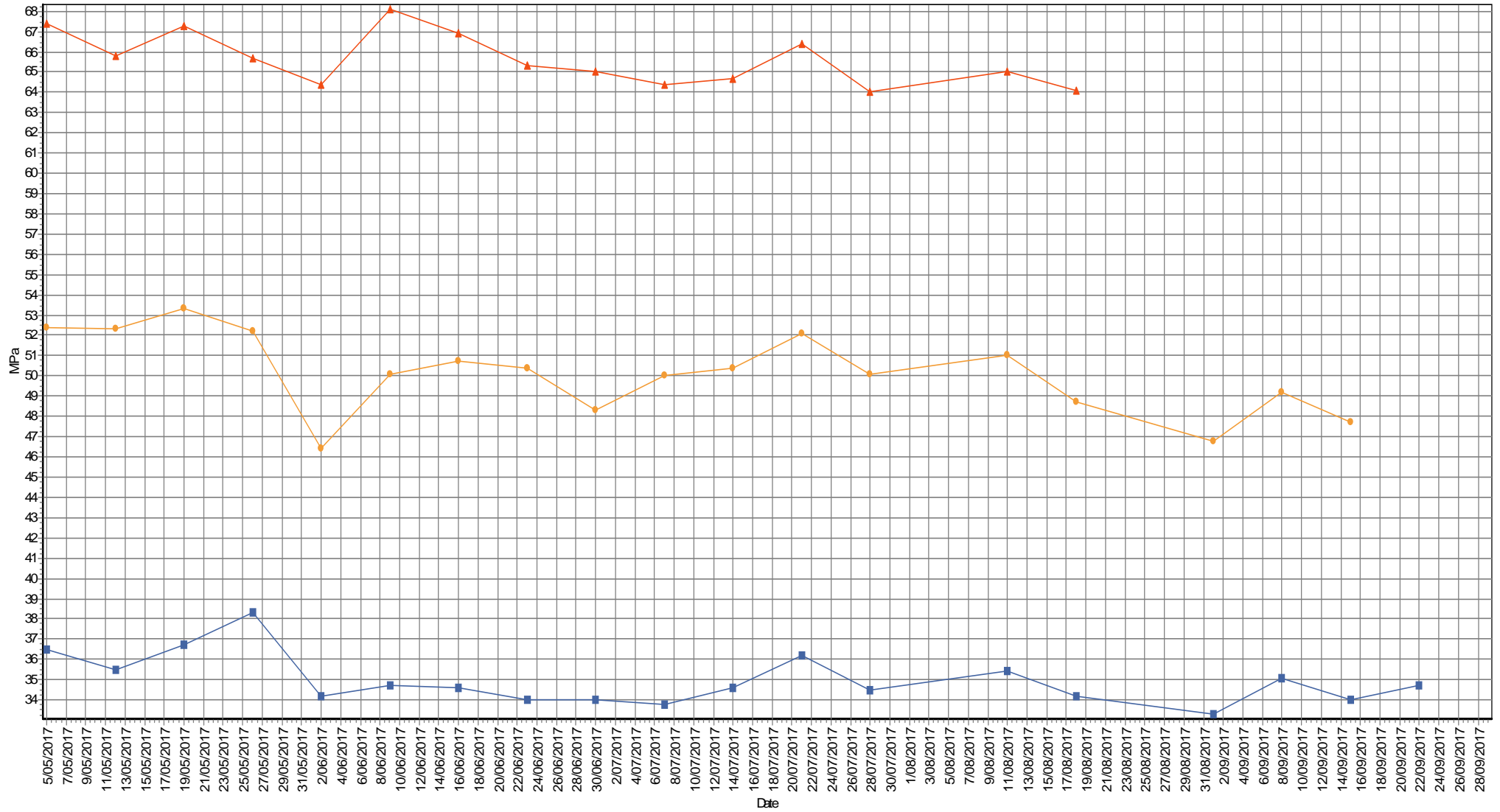
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Quality
 ISO 9001

HR- Ordinary Portland Cement Type GP

Material Type: Cement
Material Code: GP-
From: 29/04/2017
To: 29/09/2017



■ 3DMS ◆ 7DMS ▲ 28DMS