

CERTIFICATE OF QUALITY



PACIFIC CEMENT LIMITED
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General Purpose Portland Cement
AS 3972-2010 Type GP
American standard
ASTM Type 1 C-150a



Issued to : **Pacific Cement Limited**
 Date: **4th December 2014**

Test Report No:

GP 49 -14

Sample ID	Despatch Period Represented by		Initial	Final	Soundness	ISO-CEN Strength		Loss on Ignition	Sulfur Trioxide
			Set	Set		7 days	28 days		
	AS/NZS	AS/NZS	AS/NZS	AS/NZS	AS/NZS	AS/NZS	AS/NZS	AS/NZS	
	From	To	minutes	minutes	mm	MPa	MPa	%	%
Mean			81	169	2	41	55.3	1	3
St. Dev			12	25	1	2	2	0	0
Min			60	120	0	38	52	1	3
Max			95	210	3	44	58	2	3
Requirements of:			45	360	5.0	35.0	45.0		3.5%
AS 3972 - Amdt: 2010			min	max	max	min	min		max
041DG2W240814	18/08/2014	24/08/2014	65	165	1.0	38.8	54.2	1.08	2.6
083DG2W310814	25/08/2014	31/08/2014	70	155	1.0	43.7	57.2	0.99	2.8
123DG2W070914	1/09/2014	7/09/2014	80	185	2.0	41.7	55.6	0.96	2.7
167DG2W140914	8/09/2014	14/09/2014	80	160	0.0	40.0	55.2	0.95	2.7
221DG2W210914	8/09/2014	14/09/2014	70	170	2.0	42.8	58.4	1.17	2.6
286DG2W280914	22/09/2014	28/09/2014	90	175	3.0	38.3	52.9	1.13	2.7
329DG2W051014	29/09/2014	5/10/2014	95	200	2.0	38.0	57.9	1.45	2.6
416DG2W121014	6/10/2014	12/10/2014	95	200	2.0	43.5	57.4	0.92	2.7
461DG2W121014	13/10/2014	19/10/2014	95	210	1.0	40.0	55.4	0.97	2.6
538DG1W261014	20/10/2014	26/10/2014	60	120	2.0	37.6	51.7	1.50	2.6
539DG2W261014	20/10/2014	26/10/2014	70	135	2.0	38.6	52.3	1.12	2.6
620DG2W021114	27/10/2014	2/11/2014	85	175	1.0	42.5	#	1.21	2.6
692DG2W091114	3/11/2014	9/11/2014	90	165	2.0	43.3	#	1.33	2.7
730DG2W161114	10/11/2014	16/11/2014	95	175	1.0	39.0	#	1.76	2.8
813DG2W231114	17/11/2014	23/11/2014	75	135	2.0	40.5	#	1.07	2.6
893DG2W301114	24/11/2014	30/11/2014	85	175	2.0	#	#	1.01	2.6

The above samples were tested as received in accordance with current terms of accreditation.

- Sample Result Outside of the Standard Test Requirement
- # No result available at time of certificate issue
- * Not enough sample available

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Authorised by :

Peceli T Vukicikorelevu
IANZ Approved Signatory

