## CCC STABILISED AP20 TEST REPORT

Project :	Quality Assurance
Location :	Production Stock
Client :	Road Metals Company Limited
Contractor :	Various
Sampled by :	Paul Campbell
Date sampled :	15 October 2024
Sampling method :	NZS 4407: 2015 (2.4.6.3.2)
Sample description :	CCC Stabilised AP20
Sample condition :	Damp as received
Source :	Yaldhurst Quarry

6-JRMCO.16/6LC
CH11952
RM40266

wsp

Partic	cie size Dist	noution	Gradi	ng snape co	ontrol		Crushing	Resistance		10.00
Sieve Size	Percen	tage Passing	Fraction	% Within	n Fraction	% Fines @ Spec	. Load	-	%	
(mm)	Sample	Limits	(mm)	Sample	Limits	Specification	2000	-	% KNI	
37.5	-	100 - 100				Nom Aggregat	e Size	-	mm	
19.0	100	100 - 100				Specified Load	0.20	-	kN	
9.5	68	55 - 80	9.5 - 2.36	36	20 - 46					
4.75	43	35 - 60	4.75 - 1.18	17	9 - 34	Broke	n Faces Con	tent of Aggre	egate	
2.36 <b>32</b> 25 - 45		25 - 45	2.36 - 0.600 9		6 - 26	Fraction		Percentage by Weight		
1.18	26	22 - 40	1.18 - 0.300	7	3 - 21	(mm	)	Sample	Lower Lin	nit
0.800	19	16 - 35	0.600 - 0.150	5	2-17	19.0 - 9	15	75	50	
0.150	14	12 - 23			_	9.5 - 4.	75	80	50	
0.075	12	8 - 15								
% passing the fin	est sieve is ob	tained by difference								
	Diacticity	lov		ClayInday		Cond Equiv	alont (Mach	d Machanic	al Chaking)	
Sample Pl		-	Sample CI	Ciay muex	-	Sample SE			a shaking)	
Specification		<= 5	Specification		<= 3	Specified		>= 40		
100				TT CCC	STABILISED	AP20				,
	↓ I A Iower Iii	nit-Coarse		Partic	le Size Distri	bution				
80	♦— Upper Liı	nit-Fine			<b>   </b> _					
	Sample									
		1 1 1 1 1 1 1								
60							///			
(%										
) gu						XXX				
assi										
Pi 40				TH					1111	
20				TAT						
0			)	1 1 1 1 1					1 1 1 1 1	1
0.01		0.1		Sieve	1 Size (mm)		10		10	)0
Test Methods										
					Broken Faces	s Content of Aggre	gate N	NZS 4407 : 20	15 : Test 3.14	
Particle Size Di	stribution	N	125 4407 : 2015 :	lest 3.8.1						
Date tested		25 October 20	24	Sampling is	covered by IA	NZ Accreditation				
Date reporte	· he	4 November 2	024	This report n	nav only be re	produced in full				
Date reporte		+ NOVERIDER Z	02-	All informati	ion supplied b	v Client				
Approved Si	anaton		/	Annionnau	CRED					
Approved Si	gnatory	Rea			ACCUL	EO All tests	reported her	ein		
UVU Designation			abaaar	have been performed in						
Designation : Laboratory Manager			anager	accordance with the						
Date :		4 November 2	024		rest	laborat	ory's scope of tation			
					NGLABO	RA				~
PF-LAB-040 (19/0 	01/2022)								Page I of	2
WSP				52C Hayton	Rd		Telephor	ne 03 343 073	9	
Christchurch (Hayton Rd)				PO Box 1482, Christchurch Mail Centre, 8140, Website www.wsp.com/nz			m/nz			
Quality Management Systems Certified to ISO 9001				Christchurch, New Zealand						

## DRY DENSITY / WATER CONTENT RELATIONSHIP **VIBRATING COMPACTION**

Project :	Quality Assurance
Location :	Production Stock
Client :	Road Metals Com
Contractor :	Various
Sampled by :	Paul Campbell
Date sampled :	15 October 2024
Sampling method :	NZS 4407: 2015 (2
Sample description :	CCC Stabilised AF
Sample condition :	Damp as received
Solid density :	2.68 t/m <sup>3</sup>
Source :	Yaldhurst Quarry

е pany Limited .4.6.3.2) 20 b (Assumed)

Project No :	6-JRMCO.16/6LC
Lab Ref No :	CH11952
Client Ref No :	RM40266

				Test Results	5			
Maximum dry density		2.20	t/m³ Natural wate			er content	-	%
Optimu	ım water content	8.0	%		Fraction tes	ted	Whole	
Sample	ID	+2%	+3%	+4%	+5%	+6%		
Bulk de	nsity t/m <sup>3</sup>	2.183	2.243	2.306	2.375	2.341		
Water c	content %	4.3	5.6	6.5	8.0	9.0		
Dry der	nsity t/m³	2.094	2.125	2.165	2.199	2.146		
Sample	condition	Wet	Wet	Wet	Wet	Saturated		
		Hard	Firm	Firm	Firm	Firm		
2 220				Compact	ion Curve			
2.200 - 2.180 - 2.160 - 2.160 - 2.140 -								Density Curve 0% Air Voids 5% Air Voids 10% Air Voids
2.120 - 2.100 - 2.080 -	4 5		6	7		3	9	
	Water Content %							

Test Methods Notes NZS 4402 : 1986 : Test 4.1.3 Compaction All information supplied by Client

Date tested : 22 October 2024 Date reported : 4 November 2024

Sampling is covered by IANZ Accreditation This report may only be reproduced in full

52C Hayton Rd

Approved Signatory

815

Date :

Designation: Laboratory Manager 4 November 2024

PF-LAB-027 (19/01/2022)

WSP Christchurch (Hayton Rd) Quality Management Systems Certified to ISO 9001

PO Box 1482, Christchurch Mail Centre,

8140, Christchurch, New Zealand



All tests reported herein have been performed in accordance with the laboratory's scope of accreditation

Page 2 of 2

Telephone 03 343 0739 Website www.wsp.com/nz