CCC AP65 **TEST REPORT**

Project:

Quality Assurance

Location:

Production Stock

Client:

Road Metals Company Limited

Contractor:

Various

Sampled by:

Steve Gilbert (Road Metals)

Date sampled:

12 September 2024

Sampling method: NZS 4407: 2015 (2.4.6.3.2)

Sample description: CCC AP65

Sample condition: Damp as received

Source:

Rolleston Quarry

HAS.	Dart	icle	Size	Dist	ribution	7

Sieve Size	Percentage Passing			
(mm)	Sample	Lower Limit - Coarse	Upper Limit - Fine	
63.0	100	100	100	
37.5	85	60	90	
19.0	57	45	65	
9.5	34	30	50	
4.75	22	20	40	
2.36	18	10	28	
1.18	16	7	22	
0.600	14	5	16	
0.300	11	4	12	
0.150	7	3	8	
0.075	5	3	6	
% passing the	finest sieve is	obtained by difference		

Project No:	6-JRMCO.16/6LC

Lab Ref No:

Client Ref No:

CH11731

915-149

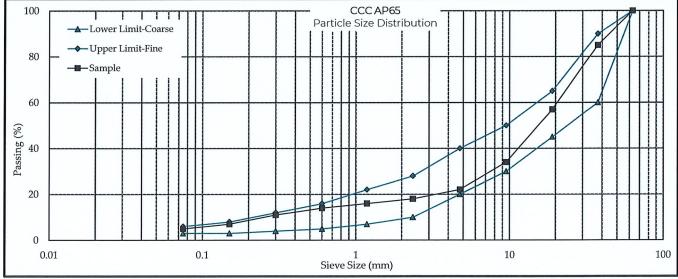
Crushing Resistance					
% Fines @ Spec. Load	-	%			
Specification	-	%			
Crushing Resistance	-	kN			
Nom Aggregate Size	-	mm			
Specified Load	-	kN			

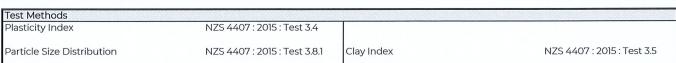
Broken Faces Content of Aggregate				
Fraction	Percentag	e by Weight		
(mm)	Sample	Lower Limit		
65.0 - 37.5	-			
37.5 - 19.0	-			
19.0 - 9.5	-			
9.5 - 4.75	-			

Plasticity Inde	ex
Sample PI	Non Plastic
Specification	<= 5

Clay Index			
Sample CI	1.0		
Specification	<= 3		

Sand Equivalent (V	Vashed, Mechanical Shaking)
Sample SE	-
Specified	>= 40





Date tested:

27 September 2024

Sampling is not covered by IANZ Accreditation. Results apply only to sample tested.

TING LABORATO

Date reported:

30 September 2024

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IANZ Approved Signatory

Laboratory Manager 30 September 2024

CCREDITED

Test results indicated as not accredited are outside the scope of the laboratory's accreditation

CLF 018 (1/9/22)

Date:

Designation:

Page 1 of 2

WSP New Zealand Limited Christchurch Laboratory

Quality Management Systems Certified to ISO 9001

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PO Box 1482, Christchurch Mail Centre, Christchurch 8140, New Zealand

Telephone +64 3 343 0739

Website www.wsp.com/nz

DRY DENSITY / WATER CONTENT RELATIONSHIP VIBRATING COMPACTION



Project:

Quality Assurance

Location:

Production Stock

Client:

Road Metals Company Limited

Contractor:

Various

Sampled by:

Steve Gilbert (Road Metals)

Date sampled:

12 September 2024

Sampling method:

NZS 4407: 2015 (2.4.6.3.2)

Sample description:

CCC AP65

Sample condition:

Damp as received

Solid density:

Source:

2.68 t/m³ (Assumed)

Rolleston Quarry

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

CH11731

Client Ref No:

915-149

Maximum dry density 2.30 t/m³ Natural water content 4.0 Optimum water content 4.0 % Fraction tested Passing 37.5m Sample ID -2% -1% NAT +1% +2% Bulk density t/m³ 2.243 2.291 2.386 2.373 2.341 Water content % 2.2 3.0 4.0 5.0 5.9 Dry density t/m³ 2.195 2.223 2.293 2.260 2.210 Sample condition Moist Wet Wet Wet Saturated Hard Firm Firm Firm Firm Compaction Curve					est Results	T,			
Sample ID -2% -1% NAT +1% +2% Bulk density t/m³ 2.243 2.291 2.386 2.373 2.341 Water content % 2.2 3.0 4.0 5.0 5.9 Dry density t/m³ 2.195 2.223 2.293 2.260 2.210 Sample condition Moist Wet Wet Wet Saturated Hard Firm Firm Firm Firm Compaction Curve	%	40	er content	Natural wate	est Results		2 30	dry density	Maximum di
Bulk density t/m³ 2.243 2.291 2.386 2.373 2.341 Water content % 2.2 3.0 4.0 5.0 5.9 Dry density t/m³ 2.195 2.223 2.293 2.260 2.210 Sample condition Moist Wet Wet Wet Saturated Firm Firm Firm Firm Firm Compaction Curve 2.320 2.280								-	
Bulk density t/m³ 2.243 2.291 2.386 2.373 2.341 Water content % 2.2 3.0 4.0 5.0 5.9 Dry density t/m³ 2.195 2.223 2.293 2.260 2.210 Sample condition Moist Wet Wet Wet Saturated Firm Firm Firm Firm Firm Compaction Curve 2.320 2.280			+2%	+1%	NAT	-1%	-2%		Sample ID
Water content						N. BERRESELLARISERSE		v t/m³	
Dry density									
Sample condition Moist Wet Wet Firm Firm Compaction Curve 2.320 2.320 2.280 2.240					2.293			t/m³	Dry density
2.320 2.300 2.280 2.240			Saturated	Wet	Wet	Wet	Moist		
2.300 2.280 2.280 2.240			Firm	Firm	Firm	Firm	Hard		
2.300 2.280 2.260 2.240				Curve	Compaction				2.000
2.260 2.240	Density Cur 0% Air Void: 5% Air Void: 10% Air Void			.,,					
2.240								No.	
									2.240 ———
2.220	-								

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

Water Content %

Date tested: 18 September 2024 Date reported: 30 September 2024 Sampling is not covered by IANZ Accreditation. Results apply only to sample tested. This report may only be reproduced in full

CCREDITED

Approved Signatory

3

Date:

2.180

Designation: Laboratory Manager 30 September 2024

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

Test results indicated as not accredited are outside the scope of the laboratory's accreditation WAING LABORATO

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