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:

14 February 2025

Sampling method: NZS 4407: 2015 (2.4.6.3.2)

Sample condition: Damp as received

Sample description : CCC AP65

Source:

Rol	ŀ

eston Quarry

Project No:	6-JRMCO.16/6LC	10
Lab Ref No:	CH12433	
Client Ref No:	915-169	

	Particle Size Distribution				
Sieve Size	Percentage Passing				
(mm)	Sample	Lower Limit - Coarse	Upper Limit - Fine		
63.0	100	100	100		
37.5	85	60	90		
19.0	54	45	65		
9.5	32	30	50		
4.75	20	20	40		
2.36	16	10	28		
1.18	14	7	22		
0.600	13	5	16		
0.300	10	4	12		
0.150	7	3	8		
0.075	6	3	6		
% passing the	finest sieve is	obtained by difference			

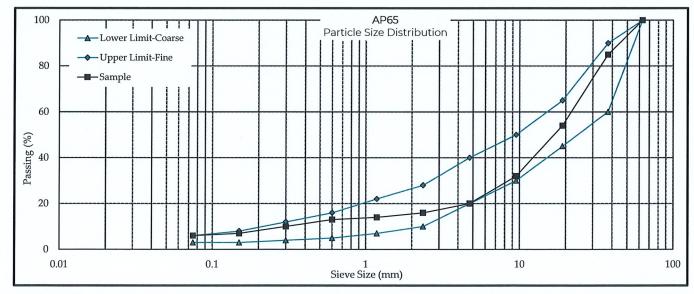
% Fines @ Spec. Load	-	%
Specification	-	%
Crushing Resistance	-	kN
Nom Aggregate Size	-	mm
Specified Load	-	kN

Broken Faces Content of Aggregate				
Fraction	Percentage by Weight			
(mm)	Sample Lower Limit			
65.0 - 37.5	-	50		
37.5 - 19.0	-	50		
19.0 - 9.5	-	50		
9.5 - 4.75	-	50		

Plasticity Index		
Sample PI	Non Plastic	
Specification	<= 5	

Clay Index	
Sample CI	0.5
Specification	<= 3

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



Test Methods

NZS 4407: 2015: Test 3.4 Plasticity Index

Particle Size Distribution

NZS 4407: 2015: Test 3.8.1

Clay Index

NZS 4407 : 2015 : Test 3.5

Date tested: Date reported: 4 March 2025 5 March 2025

Sampling is covered by IANZ Accreditation

This report may only be reproduced in full

IANZ Approved Signatory

Designation:

Laboratory Manager

Date:

5 March 2025

CCREDITED

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

CLF 018 (1/9/22)

Page 1 of 2

WSP New Zealand Limited Christchurch Laboratory

Quality Management Systems Certified to ISO 9001

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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:

Date sampled:

Steve Gilbert (Road Metals)

Sampling method:

14 February 2025

Sample description:

NZS 4407: 2015 (2.4.6.3.2)

Sample condition:

CCC AP65

Sample ID

Bulk density

Dry density

Water content

Sample condition

Damp as received

Solid density:

2.68 Rolleston Quarry

t/m³ (Assumed)

Test Results

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

CH12433

Client Ref No:

915-169

Source:		

2.30 t/m^3

Natural water content Fraction tested

4.2 Passing 37.5mm

Maximum dry density	
Optimum water content	

 t/m^3

%

 t/m^3

50	C/ I
4.8	%

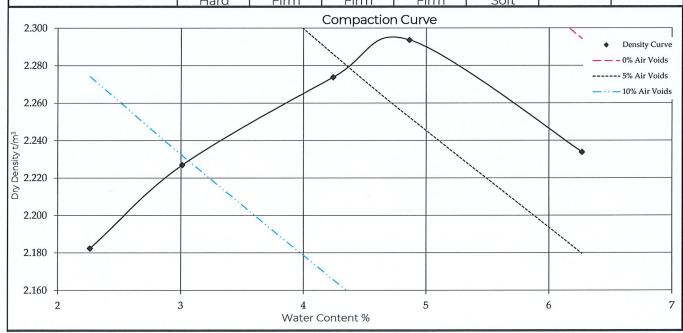
-2%

2.232

2.3

-1%	NAT	+1%	+2%
2.294	2.370	2.405	2.374
3.0	4.2	4.9	6.3

2.182 2.227 2.274 2.294 2.234 Moist Wet Wet Wet Saturated Hard Firm Firm Firm Soft



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

Date tested :

3 March 2025 Date reported: 5 March 2025

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

Approved Signatory

Designation: Date:

Laboratory Manager 5 March 2025

CCREDITED TAG LABORATO

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

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

Page 2 of 2

WSP

Christchurch (Hayton Rd)

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