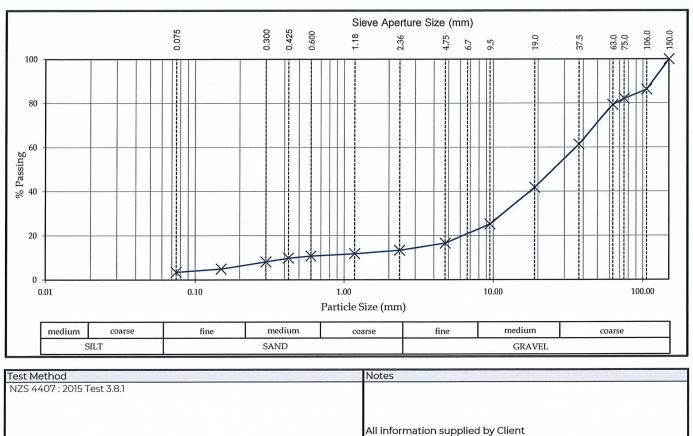
### WET SIEVE ANALYSIS **TEST REPORT**

Project :	Quality A
Location :	Product
Client :	Road Me
Contractor :	Various
Sampled by :	Steve Gi
Date sampled :	14 Febru
Sampling method :	NZS 440
Sample description :	Pit Run
Sample condition	Damp a
Source:	Rollesto

Assurance tion Stock etals Company Limited ilbert (Road Metals) uary 2025 07: 2015 (2.4.6.3.2) s received n Quarry

Project No :	6-JRMCO.16/6LC
Lab Ref No :	CH12431
Client Ref No :	915-170

			Sieve Ana	lysis			
Size (mm)	% Passing						
150.00	100	37.50	61	4.75	17	0.425	10
106.00	86	19.00	42	2.36	13	0.300	8
75.00	82	9.50	25	1.18	12	0.150	5
63.00	79	6.70	-	0.600	11	0.075	3



28 February 2025 Date tested : Date reported : 5 March 2025

Approved Signatory

Shi

Designation: Laboratory Manager Date : 5 March 2025



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

Fraction passing finest sieve is by difference.

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## PF-LAB-099 (11/07/2020)

WSP Christchurch (Hayton Rd) Quality Management Systems Certified to ISO 9001 52C Hayton Rd PO Box 1482, Christchurch Mail Centre, 8140, Christchurch, New Zealand

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This report may only be reproduced in full

# 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 :	14 February 2025
Sampling method :	NZS 4407: 2015 (2.4.6.3.2)
Sample description :	Pit Run
Sample condition :	Damp as received
Solid density :	2.68 t/m³ (Assumed)
Source :	Rolleston Quarry

Project No :	6-JRMCO.16/6LC
Lab Ref No :	CH12431
Client Ref No :	915-170

			T	est Results	a start and a start of the			
Maximum dry den	nsity	2.36	t/m³		Natural wa	ter content	4.6	%
Optimum water co		5.2	%		Fraction te	sted Pas	ssing 37.5n	nm
Sample ID		-2%	Nat	+1%	+2%	+3%		
Bulk density	t/m³	2.342	2.397	2.431	2.473	2.448		
Water content	%	4.2	4.6	4.8	5.1	5.5		
Dry density	t/m³	2.248	2.292	2.320	2.353	2.320		
Sample condition		Moist	Moist	Moist	Wet	Saturated		
		Hard	Firm	Firm	Firm	Firm		
2.380				Compactio	n Curve			
2.360 2.340 2.320 2.320 2.320 2.300								— – 0% Air Voids
2.280								
2.260								
2.240								

5 Water Content %

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

Date tested : 26 February 2025 Date reported : 5 March 2025

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52C Hayton Rd

PO Box 1482, Christchurch Mail Centre,

8140, Christchurch, New Zealand

Approved Signatory

4

Shi Designation : Laboratory Manager 5 March 2025

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

WSP

Date :

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

CCREDITED TSAING LABORATO

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### **CLAY INDEX** 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 description :	Pit Run
Sample condition :	Damp as received
Source :	Rolleston Quarry

Project No :	6-JRMCO.16/6LC
Lab Ref No :	CH12431
Client Ref No :	915-170

115

	Test Results	
Clay index :	0.5	
Test Method		
		_

NZS 4407 : 2015, Test 3.5

Approved Signatory

Date tested : 28 February 2025 Date reported : 5 March 2025

Sm

Date :

Designation: Laboratory Manager 5 March 2025

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PF-LAB-050 (19/01/2022)

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52C Hayton Rd PO Box 1482, Christchurch Mail Centre, 8140, Christchurch, New Zealand

### PLASTICITY INDEX FOR AGGREGATES **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 description :	Pit Run
Sample condition :	As Received
Source :	Rolleston Quarry

Project No :	6-JRMCO.16/6LC
Lab Ref No :	CH12431
Client Ref No :	915-170

	Test Results
Client Ref No :	915-170
Cone penetration limit :	24
Plastic limit :	Unable to Roll Threads
Plasticity index :	NP
Sample fraction :	Fraction passing 425µm test sieve
Test Methods	
Cone Penetration	NZS 4407 : 2015 : Test 3.2

Plastic Limit Plasticity Index

NZS 4407 : 2015 : Test 3.3 NZS 4407 : 2015 : Test 3.4

Date tested : 3 March 2025 Date reported : 11 March 2025

Str

Approved Signatory

Date :

Designation: Laboratory Manager 11 March 2025

PF-LAB-053 (19/01/2022)

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